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Our policy of close co-operation with the pharmacist in the distribution of our medical products demands that we keep him informed on all aspects of these products that will interest him.

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Index to Advertisers pp. 5 & 6

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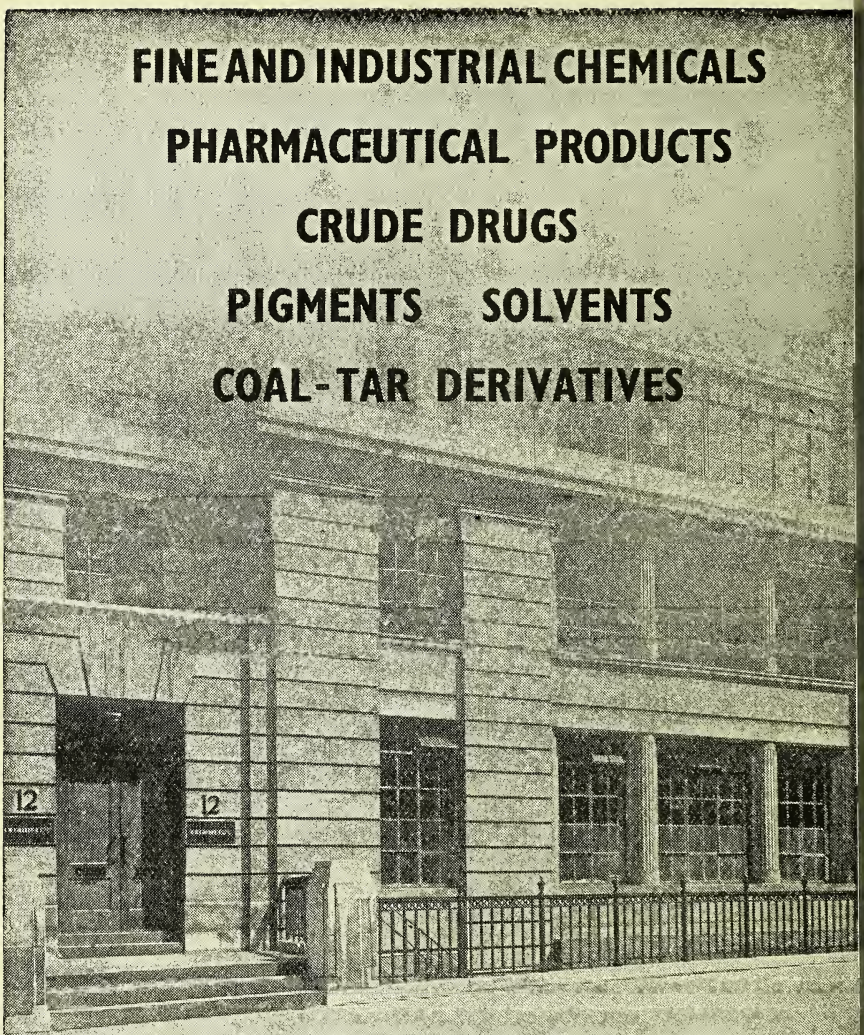

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NDEX TO ADVERTISERS

bbot Laboratories (England), Ltd. 10
ton Pill & Tablet Co., Ltd. 15
lelphi Manufacturing Co., Ltd. vi
ro-Ped, Ltd. xxviii
fined Basic Chemicals, Ltd. xxi
nderson Richards & Co., Ltd. xxi
ngene Dist. Agents 14
kinsons 16

iley, R., & Son, Ltd. viii
rker, R., & Son, Ltd. .....Leader Page
rnes & Jarrett xxxi
atson, Clark & Co., Ltd. vi
aulah, J. & J., Ltd. xx
ngué & Co., Ltd. 13
ckipegs, Ltd. xx
ackwell, Hayes & Co., Ltd. iv
akley's Food Co., Ltd. xx
yton, Astley & Co., Ltd. 15
ent, Peter, & Co., Ltd. 26
itish and International Proprietaries, Ltd. ... xxx
itish Drug Houses, Ltd., The i
itish Felsol Co., Ltd. .....Cover iv
itish Rototherm Co., Ltd. vii
itish Schering, Ltd. 5
urge, Warren & Ridgley, Ltd. viii
urrough, James, Ltd. .....Leader Page
urroughs Wellcome & Co. 19 29

althorpe, M., & Co., Ltd. xxvii
arnegie Quinine Works, Ltd. .....Cover iii
arrs Flour Mills, Ltd. 12
artwright, W. B., Ltd. 6
ephos, Ltd. 4
ity Eerade (1926), Co. xxiii
larkson Wade, Ltd. xxix
oates & Cooper, Ltd. x
olloidal Chemists (M18), Ltd. 28
ooper Laboratory, Ltd. 8
ooper, Son & Co., Ltd. .....Leader Page

Cox, Arthur H., & Co., Ltd. 21
Crookes Laboratiries, Ltd. 3

D.D.D. Co., Ltd. 15
Dales Aspirin and Tableting Co. 15
Daniel, Richard, & Son, Ltd. 13
Davenport, J. T., Ltd. xxv
Davis, Richard, Ltd. xxviii
Dellwood, Ltd. 24
Denver Chemical Mfg. Co. xxiv
Downings, Ltd. 24

Esdra, Ltd. xi

Fassett & Johnson, Ltd. .....24, viii, xxiii
Faylene Manufacturing Co. xxvi
Fennings, A. .....Leader Page
Ferris & Co., Ltd. 8
Fink, F., & Co. iv
Franks, A., & Bartlett Co., Ltd. 14
Freudentheil, Smith & Co. .....Leader Page

Gale, Baiss & Co., Ltd. iv
General Trading Corporation, Ltd. xxx
Glasfabrieken A. J. Bakker xxx
Glaxo Laboratories, Ltd. 1
Goya 26
Gosheron, John, & Co., Ltd. xvii
Greeff, R. W., & Co., Ltd. 2
Guest, Thos. & Co., Ltd. 14
Gutkind, F., & Co. Ltd. ii

Hall, Forster & Co., Ltd. .....Leader Page
Harris, Hart & Co., Ltd. iii
Harrison, A., & Sons, Ltd. 4
Hobson, Trimble & Co., Ltd. ix
Hough, Hoseason & Co., Ltd. 12
Hudnut Richard, Ltd. xxix

Imperial Chemical Industries, Ltd. xv
Ingram, J. G., & Son, Ltd. x

Jeffreys Miller & Co., Ltd. 15
Jobling, J. A., & Co., Ltd. vii
Johnson & Johnson (G.B.), Ltd. 9
Johnson & Sons, Manufacturing Chemists, Ltd. iii

(*continued overleaf*)

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INDEX—(cont.)

Kearsley, C. & G., Ltd. 8
Kemball, Bishop & Co., Ltd. 22
Kenrosa, Ltd. 10
Kerfoot, T., & Co., Ltd. 30
Kershaw-Soho (Sales), Ltd. xix

Lambeth & Co. (Liverpool), Ltd. ii
Loveluck Edwards & Co. .....Leader Page

Macdonald & Son, Ltd. ix
MacLennan Products, Ltd. xxvi
Manesty Machines, Ltd. 25
Matthews & Wilson, Ltd. xxvi
Maw, S., Son & Sons, Ltd. 11
McFadden, D., Esq. xxviii
Mono Containers, Ltd. xiii
Monsanto Chemicals, Ltd. .....Cover ii

Napp, H. R., Ltd. .....20 & Leader Page
Newball & Mason, Ltd. 15

Oxo, Ltd. 23

Parker-Hale, Ltd. .....Leader Page
Pearson, E. T., & Co., Ltd. xxvii
Percenta, Ltd. xix
Pharmaceutical Specialities (May & Baker), Ltd. .....Front Cover
Phosferine (Ashton & Parsons), Ltd. 8
Pierson Morrell & Co., Ltd. ii
Platts Page & Co., Ltd. xxx
Polytex Products, Ltd. xxii
Portland Plastics, Ltd. xvi
Potter & Clarke, Ltd. 27
Potters (London), Ltd. xvi
Prideaux Milk Foods, Ltd. 17, 18
Puricine Products, Ltd. xxix

Reed Bros. (Engineering), Ltd. .....Leader Page
Reliance Trading Co. vii

Rendell, W. J., Ltd. .....
Rose, J. L., Ltd. .....
Rozalex, Ltd. .....

Saquerre, Ltd. .....
Schutze, F., & Co., Ltd. .....
Secto Co., Ltd. .....
Sherley, A. F. & Co., Ltd. .....
Shrank, P., Ltd. .....Leader I
Sigal, S., & Co., Ltd. .....
Simpkin, A. L., & Co., Ltd. .....
Singer, Ernest M. .....
Smith, T. J., & Nephew, Ltd. .....
Soft Drinks Industry .....
Splendor, Ltd. .....
Stanton, Charles, & Co., Ltd. .....
Steradent, Ltd. .....
Stewart, Goodall & Dunlop, Ltd. .....
Surgical Equipment Supplies, Ltd. .....
Suter, A. F., & Co., Ltd. .....
Sutton, W., & Co., Druggists Sundries Ltd. ...

Three Crowns Tablet Co. .....
Tinpacks, Ltd. .....
Treece Polish Co., Ltd. .....
Trade Mark Protection Society .....
Tyrer, T., & Co., Ltd. .....

United Glass Bottle Manufacturers, Ltd. .....

Verdiers, Ltd. .....

Washington Chemical Co., Ltd. .....
Watford Chemical Co., Ltd. .....
Westminster Laboratories, Ltd. .....
Wholesale Insecticide Distributors .....
Wilsons Chemical Products, Ltd. .....
Wiseman, J. H., & Co., Ltd. .....
Wood Bros. Glass Co., Ltd. .....
Wyeth, John, & Brother, Ltd. .....

Zeal, G. H., Ltd. .....Cover

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Approved by the P.A.T.A., the trade is advis that from Monday, June 30th. the retail pri of Moorlands will be 9d. for the small size a 1/6d. for the large size, including purchase t Wholesale terms may be obtained on applicati

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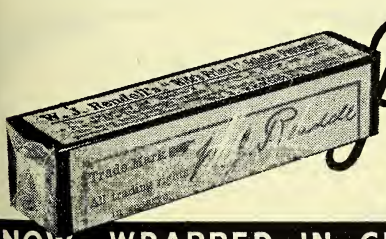

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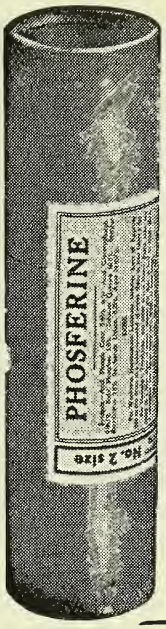

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D.D.D. Balm is specially prepared for sensitive skins. It does not sting, does not burn. It is white, non-greasy and does not stain. D.D.D. Balm quickly clears napkin rash, teething rash, chapping and chafing. D.D.D. Balm is safe and speedy for babies skin troubles.

TRADE TERMS: 16/- per dozen. Purchase Tax 2/8d. per dozen. Inclusive retail price 2/- per jar.

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PERFUMERS TO H.M. THE KING
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Eau de Cologne

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AET 2-1062

THIS is what many Chemists tell us, endorsing 'a Quality Food in a most attractive tin.'

Though 'Dorsella' foı Babies is still in comparatively short supply, our method of equitable distribution assures you of regular supplies—so send your orders now direct to :—

PRIDEAUX MILK FOODS LTD.
DORSELLA HOUSE, EVERCREECH, SOMERSET

The Finest Food for Infants

DORSELLA

In Retrospect

★ 'DORSELLA' Milk Food was first introduced to the public over 25 years ago by Prideaux who have been established for more than half a century.

★ BEING associated with the original experiments in drying milk it can be rightly said that Prideaux were pioneers in the great industry which has grown up.

★ 'DORSELLA' is prepared from English milk — from the famous dairying districts of Somerset, Dorset and Wiltshire — hence the name 'Dorsella.'

★ DURING the past 25 yea 'Dorsella' has gained its reputation 'the finest Infant Food' entirely on own merits, and without the assistan of advertising beyond occasion announcements in this periodical.

★ 'DORSELLA' has been regular awarded the Gold Medal and Certi cate of the Institute of Hygiene f purity and quality.

★ PRIDEAUX continue to recei from grateful mothers, an ever increa ing number of unsolicited testimonial the originals of which can be seen the offices of the Company.

PRIDEAUX MILK FOODS LT

Evercreech . Somerset

The 'Borofax' Bonus

means 67% profit on outlay

A bonus of 13 to the dozen is offered on three dozen assorted lots, one dozen or more to be large size. In addition, to chemists ordering three bonus parcels, three large jars are included free. A new, arresting showcard is issued with each order. Good stocks are available.

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3 DOZEN JARS (*Purchase Tax extra*)	s.	d.
2 doz. large @ 1/9 =	42	0
1 doz. small @ 1/- =	12	0
	54	0
Bonus 2 large	3	6
1 small	1	0
Your return	58	6
Your outlay	36	0
Your PROFIT	22	6

Profit on outlay = 62%

PARCEL B

9 DOZEN JARS (*Purchase Tax extra*)	s.	d.
6 doz. large @ 1/9 =	126	0
3 doz. small @ 1/- =	36	0
	162	0
Bonus 6 large @ 1/9 =	10	6
3 small @ 1/- =	3	0
Extra Bonus 3 large @ 1/9 =	5	3
Your return	180	9
Your outlay	108	0
Your PROFIT	72	9

Profit on outlay = 67%

'BOROFAX'

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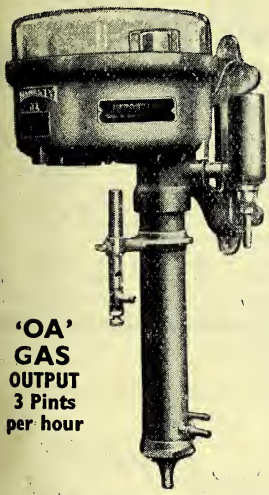

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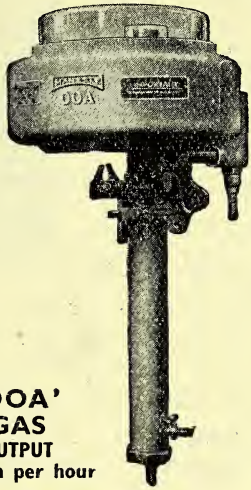

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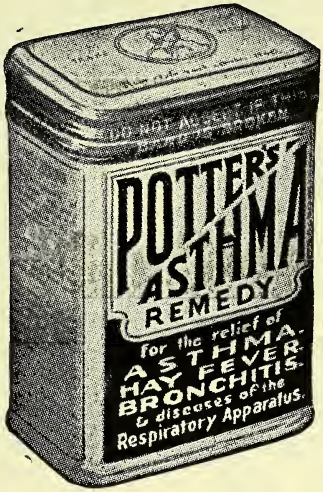

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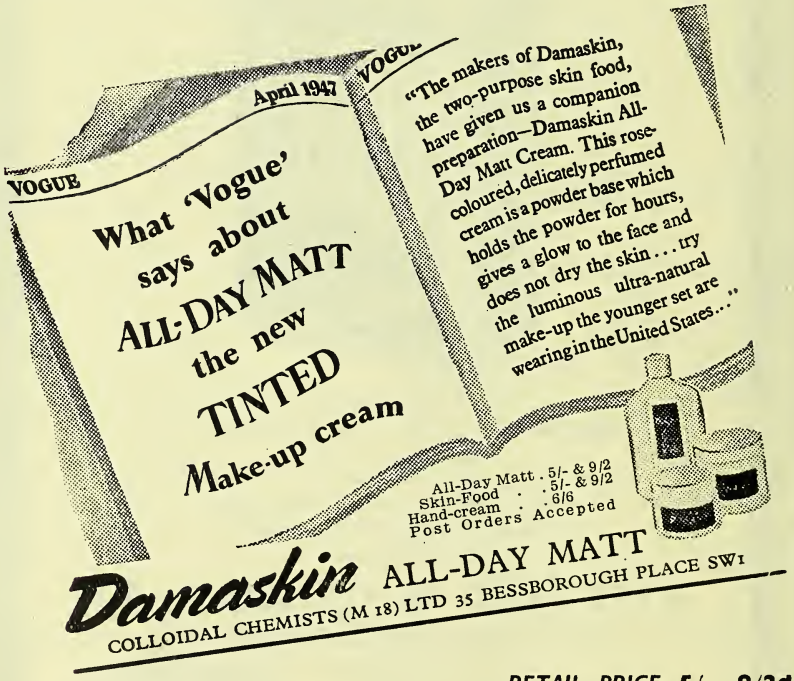

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CONTENTS

A Pharmacist's Anthology 61
Aromatic Compound Manufacturers... 43
Business Changes 39
Chemical Society's Centenary ... 36
Coming Events 62
Company News 42
Deaths 38
Editorial Articles:—
Repeats of Schedule 4 Prescriptions 49
Cost-of-Works Payments on Delapidated Property 50
Men and Women in Industry ... 50
Folic Acid 44
In Camera 55
Information Wanted 48
Irish News 35
Local News 34
News of the Week 33
North British Branch Annual Meeting 56
Opium Board Report 43
P.A.T.A. 41
Personalities 47
Pharmacists on Executive Councils ... 51
Pharmaceutical Society of Great Britain: Council Meeting 52
Pharmaceutical Society of Northern Ireland: Council Meeting 57
Pollen Collection in the United States 41
The Week in Parliament 39
Topical Reflections 37
Trade Marks 62
Trade Notes 40
Trade Report 58
Wills 38

NEWS OF THE WEEK

Veterinary Congress.—The annual con-ress of the National Veterinary Medical ssociation is to be held in Edinburgh from ly 27 to August 1. Most of the activi-es, including an exhibition of drugs and rgical instruments, are to be held at the oyal (Dick) Veterinary College, Summer-all Square.

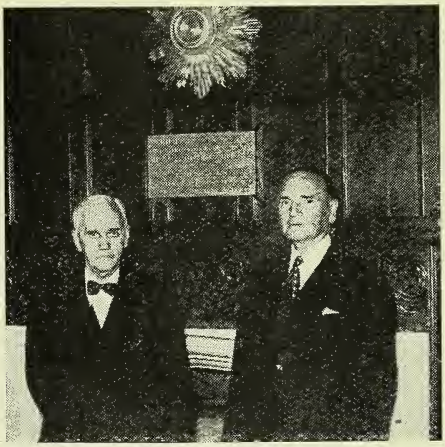
N.(W.)F. Changes.—The Ministry of ealth has circularised the following nendments to the notice of changes in the rthcoming National (War) Formulary ird edition, which it issued recently ee *C. & D.*, June 28, p. 744): INFANTS' ECTION, *Tab. Hydrarg. c. Cret. et Rhei* o.—Amend to read: Dose of mercury ith chalk reduced to $\frac{1}{4}$ gr. GENERAL LTERATIONS, Add: Liquid extract of nux omica replaced by tincture of nux vomica.

K.I.D. Exemptions. — An Order dated ne 25 (S.R. & O., 1947, No. 1,236), con-nues for six months the exemption from ey Industry Duty of all articles exempted om that duty by previous Orders which pired on June 30, with the addition of 3-butylene glycol and xenylamine, and with the deletion of dicyandiamide, didial (ethylmorphine diallyl barbiturate) and copper methly arsenate.

Cod-liver Oil for Day Nurseries.—The Minister of Food has announced, in collaboration with the Minister of Health and the Department of Health for Scotland, that day nurseries maintained by welfare authorities, or recommended by the medical officer of health (or, in Scotland, by local authorities), are entitled to receive free supplies of cod-liver oil at the rate of one 6-oz bottles every twelve weeks for each eligible child.

Meeting of Statutory Committee.—The Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.1, on July 16, at 11 a.m., to consider information and evidence from which it appears that a member of the Society dispensed a prescription otherwise than in accordance with the directions specified by the registered medical practitioner, and that another member was convicted of offences under the Pharmacy and Poisons Act, 1933. The inquiries will be

opened in public and, unless the Committee otherwise directs, the hearings will also be in public.



Sir Alexander Fleming, F.R.S., with Sir J. Stanley Holmes, M.P., in front of the plaque which commemorates the opening of the Beecham Research Laboratories (see *C. & D.* June 28, p. 734).

Scottish Executive Councils.—The Secretary of State for Scotland has made an Order (S.R. & O., 1947, No. 321/S.52) under the National Health Service (Scotland) Act, 1947, increasing the membership of the Executive Council for the county of Lanark to thirty-six, in addition to the chairman; three members are to be appointed by the local Pharmaceutical Committee. By the same Order membership of the Executive Council for the counties of Midlothian, West Lothian, East Lothian and Peebles, is increased to twenty-six, in addition to the chairman; two members are to be appointed by the local Pharmaceutical Committee.

Streptomycin Information Centre.—For the benefit of doctors in Southern England and the London area, the Medical Research Council has arranged to keep the Voluntary Hospitals Emergency Bed Service, London (Telephone (day or night): Monarch 8515) informed of the number and type of cases of acute miliary tuberculosis or tuberculous meningitis which can be admitted to the M.R.C. trials centres for streptomycin treatment. Streptom trials for children aged up to eight y suffering from tuberculous meningitis also being made under the authority the M.R.C. at the Alder Hey Childr Hospital, Liverpool, and the Royal Ho tal for Sick Children, Glasgow.

N.H.S. Regional Hospital Board The Minister of Health has issued Order (S.R. & O., 1947. No. 1,297) stituting the Regional Hospital Boards administering, under the National He Service Act, 1946, the hospital and spe list services in the following four regional hospital areas: Newcastle, Le Sheffield, East Anglia, North - Metropolitan, North - east Metropoli South - east Metropolitan, South - Metropolitan, Oxford, South - west Welsh, Birmingham, Manchester Liverpool. Regulations for the appo ment and term of office of member Regional Hospital Boards, Hosp Management Committees and Board Governors of teaching hospitals, and for proceedings of their meetings, are set ou S.R. & O., 1947, No. 1,298.

LOCAL NEWS

Wallasey Association Revived. — Wallasey Pharmacists' Association recently revived and the following offi elected:—*President,* Mr. H. S. Qua *Vice-president,* Mr. A. T. Lewis; *T surer,* Mr. J. Valentine; *Secretary,* A. R. Allen, 64 Martin's Lane, Lisc Wallasey, Cheshire; *Social Secretary,* H. T. Spence. The Association's first p war function took the form of a w attended reunion dinner at which mem of the committee of the Birkenhead P macists' Association were present.

At right: Members of the Liverpool Chemists' Association and Branch of the Pharmaceutical Society photographed on a recent visit to the Speke factory of Evans Medical Supplies, Ltd.

Birmingham Officers. — The annual etings of the Birmingham branches of Pharmaceutical Society and the tional Pharmaceutical Union, and of the mingham Pharmaceutical Association, re held recently. The following officers re elected:—N.P.U. Branch: *Chair-n,* Mr. G. Goulding, *Vice-chairman,* Mr. Martin; Pharmaceutical Society anch: *Chairman,* Mr. G. Goulding, *ce-chairman,* Mr. A. M. Carr; Associa-n: *President,* Mr. G. Goulding, *Vice-sidents,* Messrs. A. M. Carr and M. A. arke. Mr. D. J. Rushton, 1088 Strat-d Road, Birmingham, 28, is *Secretary* of three organisations.

Presentations for Long Service.—ployees of Evans Medical Supplies, d., at the company's Northern establish-nts, were addressed on June 25 by Mr. V. L. Fergusson (chairman and mana-g director). Silver cigarette boxes were sented to five employees who had com-ted forty years' service with the com-ny. Included among them were Messrs. R. Such (managing director, Evans edical Supplies (Ireland), Ltd.) and R. H. berts (representative in the Manchester a). Since 1946, when the company tituted presentations for long service, a al of fifty-nine employees each with re than forty years' service have received award.

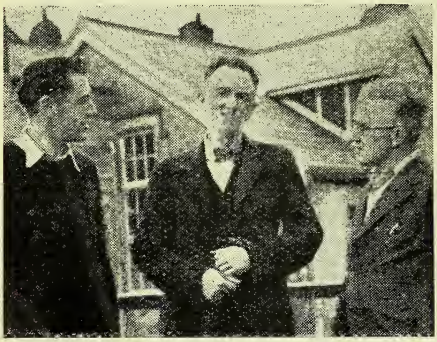
London Victory Club Fund.—A fund s been opened by the Victory (ex-rvices) Association to establish in Central ndon, as a war memorial, a rest and creation centre open to all ex-Service men d women. 25,000 employers in Greater ndon have been asked to co-operate by couraging their employees each to contri-te one shilling to the fund, either in a mp sum or by a voluntary weekly wage duction of one penny for twelve weeks. Further information about the fund, which has received the official support of the British Employers' Confederation, the Trades Union Congress and the London Trades Council, may be obtained from the Association at 47 Bedford Row, London, W.C.1.

IRISH NEWS

N.I. Examination Results. — The following candidates were successful in the June examinations of the Pharmaceutical Society of Northern Ireland: *Final Part I:* Blair, Muriel; Davey, Derra Clare; Deehan, James Edward; Gallagher, James Edward; Greene, Michael Gerard; Hassard, William Albert; Headon, Laura Joan; Hughes, Mary Monica; Kyle, John Stanley; Macaulay, Robert Gerald; McAdoo, Leslie Holden; McColgan, James Elliott; McFarland, John Edward L.; McGivern, Edward; McGivern, Noel Patrick; McGovern, Robert; Ogle, Cecil Myles; O'Neill, Donald; Wellwood, James Craig. *Final Part II:* Boyle, James Aacoque; Brogan, Patrick Joseph; Burke, Patrick Francis; Cooke, Harold Oswald; Cunningham, John; Downey, George Harold; McIlrath, John Russell; McKay, Eugene; McKeag, Robert John; Proctor, Thomas Davidson; Robinson, Robert; Ruben, Samuel Aaron; Sweeney, Monica Ita; Taylor, Ivy Marion.

Eire Chemists' Golf. — The annual three-day outing of the Irish Chemists' Golfing Society was held at Bundoran, co. Donegal, June 14-16. The results of the various competitions were as follows:—*Four-ball bogey:* (1) Messrs. P. McAuliffe (15) and W. P. Mullen (22); (2) Messrs. J. Gilmartin (8) and B. M. Laverty (22), 1 up; *Four-ball best ball:* (1) Messrs. J. Gilmartin (8) and W. P. Mullen (22), 63; (2) Messrs. S. J. Savage (9) and P. J. Morgan

(16), 69½; (3) Messrs. T. R. Bourke (16) and H. Naylor (18), 71; *Eighteen-holes strokes:* (1) Mr. W. P. Mullen (20), 71; (2) Mr. S. J. Savage (8), 72; (3) Mr. T. R.



Left to right: Mr. Michael Daly (winner of the captain's prize), Mr. Phil McAuliffe (captain, Irish Chemists' Golfing Society), and Mr. P. A. Fahey (secretary).

Bourke (15), 72; (4) Mr. P. Foley (15), 75; *Four-ball bogey nine holes:* (1) Messrs. T. R. Bourke (15) and J. Murray (13), 2 up; (2) Messrs. P. McAuliffe (15) and J. Roche (17), 1 up; (3) Messrs. F. J. R (7) and J. Smyth (14), 1 up; *Eighteen bogey singles:* (1) Mr. P. McAuliffe 2 down; (2) Mr. E. Massey (15), 2 d (3) Mr. J. Smyth (14), 3 down; (4) M Gilmartin (7), 3 down; *Eighteen-strokes for captain's prize:* (1) Mr. M. (17), 71; (2) Mr. P. Foley (15), 73; Mr. A. Walsh (15), 74; (4) Mr. T Bourke (16), 75; *Scotch foursomes:* Messrs. E. Massey and A. Thornton, (2) Messrs. P. Foley and J. C. Ryan. (3) Messrs. S. J. Savage and J. J. R 37. The outing closed with the capt dinner and presentation of prizes. company included Messrs. P. A. B (vice-president, Pharmaceutical Societ Ireland), F. X. Meagher, M. Cos (president, Irish Drug Association), T Toher, W. J. Adamson, N. A. McKane M. Durkin. Mr. P. McAuliffe (cap congratulated the prize winners, and behalf of the Society handed over to Brady a cheque for the Benevolent F of the Pharmaceutical Society of Irel A vote of thanks to the donors of the p was passed on the motion of Mr. M. D seconded by Mr. W. P. Mullen.

CHEMICAL SOCIETY'S CENTENARY

THE centenary of the foundation of the Chemical Society is being celebrated in London, July 14-17, in conjunction with the eleventh International Congress of Pure and Applied Chemistry. A summary of the principal events in the celebration programme is given below:—

Monday, July 14

9.30 a.m. Preview of the centenary exhibition at Science Museum, South Kensington, London, S.W.7.

11 a.m. Opening of centenary exhibition by Professor C. N. Hinshelwood, M.A., Sc.D., F.R.S. (president, Chemical Society).

Tuesday, July 15

9.45 a.m. Reception of delegates and distinguished visitors by the president and council at Central Hall, Westminster.

11 a.m. Opening ceremony of the celebrations. Address of welcome by the president. Presentation of addresses by distinguished visitors.

3.30 p.m. Centenary address by the president of the Chemical Society at Central Hall, Westminster.

Wednesday, July 16

11 a.m. (1) Lecture on "Chemical sonalities a Century Ago" by fessor J. Read, M.A., Sc.D., Ph F.R.S., at Institution of Civil E neers, Great George Street, Lon S.W.1.

(2) Lecture on "The Work of Royal Institution in Phys Chemistry in Great Britain" by fessor E. K. Rideal, M.B.E., M D.Sc., Ph.D., F.R.S., at the R Institution, Albemarle Street, Lon W.1.

3 p.m. The Faraday Lecture by Sir Ro Robinson, M.A., D.Sc., LL.D., F.R followed by presentation of Fara medal to lecturer, in Central H Westminster.

In addition, the programme inclu visits to The British Drug Houses, L City Road, London, N.1, the Distill Co., Ltd., Epsom, Kodak, Ltd., Harr the Wellcome Research Institute, Beck ham, the Chemical Research Laborat Teddington (Department of Scientific a Industrial Research), and the F Research Station, East Greenwich.

TOPICAL REFLECTIONS

The News

Your hundred-and-forty-eighth volume s opened with a scarcity — a temporary e, no doubt — in news of outstanding terest. However, your warning about the permanence of the sellers' market (p. 18) ould be heeded; and representatives of ational Pharmaceutical Union branches d of Pharmaceutical Committees will, I ust, prepare for the meetings announced . 1) to be held on July 17. Every effort ensure a good attendance at those two eetings ought to be made. Among the mainder of the news my first choice is e exhibition of medical books at Oxford. nable at present to visit the Bodleian, I rrowed the catalogue and, as I expected, und much entertainment in its pages. It s news to me that in the seventeenth ntury Oxford had a doctor of medicine, homas Jeamson, of Wadham, who, whatr else he may have been, seems to have garded himself as a beauty specialist. A ok issued by him in 1665 bore the title Artificiall embellishments. Or Arts best rections how to preserve Beauty or prore it." The writer of the foreword to the talogue has drawn on Anthony Wood, hose notes on seventeenth-century Oxford e invaluable. In your Special Issue of ne 30, 1923, you quoted several passages pharmaceutical interest from this rich ne of information. Another may now be ded. It appears that a surgeon, a Mr. undy, applied to Mary Woode, aged ty-five, a cantharides plaster "as thick a pancake and broader than both a n's hands to raise a blister, and did, as vere, kill her downe-right . . . ."

rabic a Learned Language

The article headed "Before Pharmaopœias Were Compiled" (pp. 23-35) troduces an important subject still, I lieve, awaiting systematic research. There impatient people ready to exclaim, What does it matter in 1947 how pharacy was practised in the Dark and iddle Ages?" My answer is that every p in our knowledge is a challenge to us fill it. From the books mentioned by ur contributor, and from others written Arabic (for many centuries the learned nguage of the Near East), we need to tain, as a minimum, an account of the ditions made by Arabic-speaking authors Greek materia medica and an analysis their multitude of formulas. The oute of the sequence of events is sufficiently clear. When the Nestorians were driven out of Constantinople in the fifth century, some of them migrated to the east, taking with them, among other things, Greek medical manuscripts. In centres of culture like Baghdad and Teheran they were encouraged to translate these manuscripts into Arabic, either direct or through the medium of Syriac. In his "Arabian Medicine" (1921) the late Professor E. G. Browne distinguished this period of translation from a later period when "Arabic-speaking or at any rate Arabic-writing physicians" produced more or less independent works. The medicine (and, it may be added, the pharmacy) of this second period became "an eclectic synthesis of more ancient systems, chiefly Greek, but in a lesser degree Indian and old Persian, with a tincture of other exotic systems . . . ." "Islamic medicines" was preferred by this expert to the more usual name.

Scholarship Required

The qualifications required for the research I have indicated are not often found in a single student. Professor Browne enumerated them as "a scholarly knowledge of Greek, Latin, Syriac, Arabic and Persian, and, if possible, Sanskrit," in addition to enthusiasm, industry and so forth. These qualities will be severely tested when the research begins. Arabic writers, we are told, "succeeded in paraphrasing the Greek technical terms with fair success," but their Latin successors in mediæval times made disgraceful mutilations of the Arabic they attempted to translate. This trouble is made worse by the small and closely set type often chosen by printers of fifteenth- and sixteenth-century books. English printers were far behind their Continental contemporaries in issuing medical books in Latin. The earliest example of such a publication that I have traced is given in H. R. Plower's history of English printing; he states that Richard Pynson began to print parts of Galen in 1522-23. Galen, however, was not one of the authors commended to the attention of apothecaries. Though much was lost in the Mongol or Tartar invasion of the Caliphate of Baghdad in 1258, much remains — some of it available only in manuscript. The Canon of Avicenna contains nearly a million words; and even the parts of it of interest to pharmacists are not exactly brief.

Xrayser

DEATHS

Baverstock. — Recently, Mr. Willie Eaves Baverstock, Lytham House, St. Annes Road, Lincoln. Mr. Baverstock, who was registered as a chemist and druggist in 1920, was pharmacist at the County Hospital, Lincoln.

Bone.—At Chislehurst on July 2, as the result of a motor collision, Mr. Alfred Allan Bone, M.P.S. (Prebble & Bone), 1 Church Row, Chislehurst, aged sixty-two.

Mr. W. W. Pring writes: The West Kent Branch of the Pharmaceutical Society has suffered a very grievous loss in the passing of Allan Bone. He was an experienced chemist, and his opinion was greatly valued. His genial personality, cheery smile and happy manner will be long remembered and very greatly missed by us all. Mr. Bone was one of the founder members of the old West Kent Chemists' Association (1913), being its president 1924-26, 1932-33 and 1935-36. He followed Mr. Stoyle as chairman of the West Kent Branch, 1944-46. He was elected a member of the County of Kent Pharmaceutical Committee in 1929, and in 1946 became its vice-president. He was recently appointed one of the two members representing the County of Kent Pharmaceutical Committee on the Executive Council under the forthcoming National Health Service. In addition to the work which his three pharmacies at Chislehurst entailed during thirty-five years, Mr. Bone had always worked actively in the interests of the local community and was at one time a representative for the Commons Ward on the Chislehurst-Sidcup Council, and chairman of the Chislehurst Chamber of Commerce. During the war he was very busy on ambulance work, for Chislehurst had a warm time during that period—two of Mr. Bone's businesses were severely damaged—one, in fact, had to be closed for a considerable time. In private life Mr. Bone was an accomplished musician, expert electrician and amateur cabinet maker—always contriving something! His great recreation was walking, and he enjoyed nothing more than a long walk over the Kentish Downs and countryside. His enthusiasm in these various pursuits was infectious, and one felt that it was a great joy to be in his company. Our warmest sympathy goes out to his widow, son and daughter.—At the funeral service on July 8, pharmacy was represented by Messrs. J. E. French, A. E. Hobbs and W. W. Pring, representing the Kent Pharmaceutical C mittee, and Messrs. Neal, Hamar, M. Stoyle, Leather, Peel and Holden, re senting the West Kent Branch of Pharmaceutical Society.

Glendinning. — At Sydney, New Sc Wales, recently, Mr. Robert Glendinn a brother of Mr. James Glendinr (a past-president of the Pharmaceut Society of Northern Ireland).

Harris.—Recently, Mrs. J. F. Ha wife of Mr. J. Flinton Harris, J.P., M.I 9 Alfred Street, Northampton. Like husband, Mrs. Harris was a leading fig locally in the Society of Friends, and many years conducted a women's a school in Northampton. Their marri seven years ago, was the culmination forty years' friendship and work toge among Quakers.

Metherell.—At 58 Long Lane, Finch London, N.3, Kinneard Metherell, form of 101 Western Road, Brighton, aged nin two. Mr. Metherell qualified as a che and druggist in 1887, and passed the Phar ceutical Chemist examination in 1895.

Morley.—On June 25, Mr. Ha Tatton Morley, M.P.S., 142 Love La Stockport, Cheshire, aged fifty-nine. Morley was a founder member of Stockport Branch of the Pharmaceut Society of Great Britain and held o for several terms as chairman and secret He was for twenty-two years a membe the Stockport Pharmaceutical Committ

WILLS

Mr. Robert John MacDermott, Ph 1 Pines Avenue, Worthing, formerly Steyning, Sussex, left £9,081, with personalty £9,030.

Mr. William Richard Knott, 47 (lingwood Avenue, Muswell Hill, Lon N.10, formerly a representative of R. Reuter Co., Ltd., Slough, left £2,141, w net personalty £1,970.

Mr. John Walls, M.P.S., 48 Wal Road, Tottenham, London, N.9 (of Sq & Sons, Ltd., 413 Oxford Street, Lon W.1), left £2,077, with net persona £1,331.

Mr. Thomas Lewis, M.P.S., 2 Fri Road, Newport, Mon, and 6-7 Dock Str Newport, left £6,868, with net persona £4,608.

Mr. George Robert Moseley, M.P 27 Haughton Road, Birmingham, forme of Harborne, left £1,003, with net pers alty £326.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

n the House of Commons on June 30, Mr. RANVILLE SHARP asked the Minister of uel "to what extent the economical use fuel is recognised in the allocation of el to industry, and whether the industrial m which has not used the opportunity to stall fuel-saving plant and practice fuel-ving methods is penalised, and by what rocedure, when fuel allocations are being ade."

Mr. SHINWELL: A direct incentive is rovided by the present system of allocating al to industry, for the provision that ocks built up in one period are not to be ken into account in framing allocations r consumption in a following period, nsures that fuel economy shall have its wn reward. In addition, consideration is ing given to the possibility of devising eans of recognising those cases where xceptional measures have been taken by dustrialists to secure economy in the case fuel.

On July 3, Mr. EDWARD EVANS asked e Minister of Health whether he pro-osed to provide, under the National ealth Service Act, non-electrical aural ds for such deaf persons as could derive ore benefit from them than from elec-ical instruments.

Mr. ANEURIN BEVAN: Yes.

accination Tragedy

Mr. TOM DRIBERG asked the Minister of ealth if he would cause a thorough vestigation to be made into the case of e infant daughter of Mr. and Mrs. Donald V. Gooding, Wolsey, Maldon Road, Hat-eld Peverel, Essex, who was described by e doctor in charge of the clinic attended y Mrs. Gooding as a perfect baby but who, fter being vaccinated three times within even weeks, on the third occasion with a ouble injection, became blind and was not xpected to recover her health; what pre-autions he was taking against the recur-ence of similar tragedies, and if the arents of the child were entitled to com-ensation.

Mr. BEVAN: I am making inquiries and ill communicate with Mr. Driberg. In e meantime I should like to express my eep sympathy with the parents. — Until e had had an inquiry he would not like to omment on whether similar results might llow as a result of similar treatment in ther cases.

Planning Board Established

Mr. HERBERT MORRISON (Lord President of the Council) announced in the House of Commons on July 7 that the following would constitute the Economic Planning Board: Sir William Coates (deputy chairman, Imperial Chemical Industries, Ltd.), Sir Graham Cunningham and Mr. W. R. Verdon Smith (nominated by the Federation of British Industries and the British Employers' Confederation), Messrs. A. Naesmith, J. Tanner and H. V. Tewson (nominated by the Trades Union Congress), Sir John Woods (Permanent Secretary to the Board of Trade), Sir Godfrey Ince (Permanent Secretary to the Ministry of Labour and National Service), Sir Archibald Rowlands (Permanent Secretary to the Ministry of Supply), Messrs. A. S. Le Maitre, H. T. Weeks and W. F. Smith (Central Economic Planning Staff), and Mr. R. L. Hall (Director of the Economic Section, Cabinet office). The chairman of the Board was to be Sir Edwin Plowden, but Mr. Morrison stated that he might occasionally take the chair himself. The primary task of the Board would be to advise the Government on the best uses of the country's economic resources, both for the realisation of a long-term plan and for remedial measures against immediate difficulties.

BUSINESS CHANGES

MISS T. ELLIS, M.P.S.I., has opened a pharmacy at 1 Shaun Terrace, Ballybough, Dublin.

BOOTS, LTD., have acquired the business of Mr. A. Y. Howie, M.P.S., 636 Alexandra Parade, Glasgow, E.1.

MR. N. R. PILLING, M.P.S., has taken over the pharmacy at 779 Abbeydale Road, Sheffield, previously owned by Miss M. J. Glaister, M.P.S.

THE NATIONAL ASSOCIATION OF WOMEN PHARMACISTS has appointed Miss P. M. Green, 71 Kingsfield Avenue, North Harrow, Middlesex, assistant employment secretary.

BLACKBURN CO-OPERATIVE SOCIETY, LTD., have opened a pharmacy branch at 31 Furthergate, Blackburn. Mr. H. Davey has been appointed superintendent chemist to the Society.

PLYMOUTH CO-OPERATIVE SOCIETY, LTD., have acquired, with effect from August 18, the pharmacy of Mr. H. Jory, M.P.S., 21 Fore Street, Torpoint, Cornwall.

TRADE NOTES

Signs. — The Franco-British Electrical Co., Ltd., 15 King Street, London, S.W.1, are manufacturers of all types of signs for interior or exterior use.

New Department. — Potters (London), Ltd., 97 St. John Street, Clerkenwell, London, E.C.1, announce the opening of a new shopfitting and showcase department.

Wall Cabinet Refill. — Ozonol Laboratories (1930), Ltd., New Wharf Road, London, N.1, are issuing Ozonol refills in colourfully printed packets containing three, six or twelve refills in tins.

Centralised Distribution.—Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1, have taken over, under a direct selling staff, the distribution of their products in Scotland.

Supply Position Improved. — Richard Hudnut, Ltd., London, announce that they hope to dispatch all outstanding orders for Three Flowers cosmetics by mid-July. National advertising continues.

Senna Pods.—Matthews & Wilson, Ltd., 6 Cole Street, London, S.E.1, direct attention to the attractive carton pack of their Sudex Alexandrian senna pods. An announcement by the company appears in this issue.

Marseilles Fair. — The Foire Internationale de Marseille is to resume, on September 29 its annual series interrupted by the war. Details may be obtained from: The London Delegate, Commercial Fair of Marseilles, French Chamber of Commerce, 11 Park Place, London, S.W.1.

Down - pointed. — Details of reduced points values of Bickiepegs products, manufactured by Bickiepegs, Ltd., Welwyn Garden City, and distributed by May, Roberts & Co., Ltd., 47 Stamford Hill, London, N.16, are given on another page of this issue.

Bonus Offer. — Stafford Miller, Ltd., Welwyn Garden City, manufacturers of Orlex compound for restoring colour to grey hair, are supplying an extra packet free with every dozen of Orlex ordered. The preparation is distributed by Splendor, Ltd., Nottingham.

Distribution in India.—An offer to distribute drugs, proprietary medicines, toilet preparations, surgical instruments and sundries in India is made to exporters by T. M. Thakore & Co., 43 Churchgate Street Fort, Bombay, 1, India. The firm has a nu er of branches in other parts of India ar in Ceylon and Burma.

Price Changes. — W. B. CARTWRI T, LTD., Rawdon, Leeds, state that new p es for Elixir Jaffol and Moorland indige n tablets took effect on June 30. — (J. HEWLETT & SON, LTD., 35 Charlotte R d. London, E.C.2, announce that the r il price of the flat enamelled tins of Hew 's antiseptic cream has been reduced.

Manufacture in Britain. — Wil 's Chemical Products, Ltd., 18 Old T n, London, S.W.4, have made arrangem ts to manufacture and distribute in is country, under the title B.D. bunion d s- ing, a French speciality for the treat t of bunions: Baume Dalet. Inquiries e invited.

Show Material. — The first show d available for some years for Pineol n brand inhalant has been made availabl y the manufacturers, Chesebrough Manu- turing Co., Ltd. The card, which r- sures 10 in. x 7½ in., is available thr h the company's representatives on r visits. On the reverse of the card e printed the retail prices of the product

Contrast Medium. — The British I g Houses, Ltd., Graham Street, City R d, London. N.1, have introduced diod e, B.D.H., which is a sterilised aqueous s- tion containing 35 per cent. w/v of e diethanolamine salt of 3:5-diiod- pyridone-N-acetic acid, presented for e as an *x*-ray contrast medium, princip y in intravenous pyelography, but with o r radiographic applications also. e preparation is presented in boxes of e and six 3-c.c and one and six 20 ampoules.

Folic Acid Supplies.—Cyanamid r ducts, Ltd., Brettenham House, Lanca r Place, London, W.C.2, sole distributor n Britain for products of Lederle Lab- tories, Inc., state that supplies of Fo e brand folic acid and Folvron brand f c acid and iron will be available for comr- cial sale in the very near future. Fairly s stantial quantities of Folvite are alread n stock, and much larger quantities are du n arrive. The consignment of Folvron on its way will be the first commercial s ply to reach this country. The compar s not yet in a position to offer Folvite w liver extract, but has put in an applica n for an import licence.

Proprietary Articles Trade Association

Additions to Protected List (Part 1). — *Luma oducts, Ltd.*, Luma anti-rheumatic compound bes, 3s. 3d. doz., tax 6½d. doz., inclusive retail ice 6d.

Alterations to List (Part 1).—*Hobson, Trimble Co., Ltd.*, Hobson's Choice corn plaister, 3½d. doz., tax 2½d. doz., i.r.p. 2d.; Hobson's proved corn plaister, 2s. 6d. doz., tax 5d. doz., .p. 4d.; Hobson's Choice improved corn plaister th strapping, 3s. 11d. doz., tax 5d. doz., i.r.p. .; Hobson's Choice strapping plaister, three doz., 4s. 3d. (exempt from tax; retail price 1½d.); Hobson's combination pack, 5s. 3d. doz., tax 1s. doz., i.r.p. 9d. Quantity terms on application.

Numol, Ltd., Numol, 6-oz. jar, 2s. 9d., 25s. 5d. doz.; 1-lb. jar, 5s., 45s. 10d. doz. (exempt from tax).

Southall Bros. & Barclay, Ltd., Southall's compound malt and oil, 1-lb., 3s. 3d., 27s. 6d. doz.; 2-lb., 6s., 51s. doz. (exempt from tax).

Deletion from List (Part 1).—Esoban emollient (*Southon Laboratories, Ltd.*).

Alteration to List (Part 2).—*Chas. H. Phillips Chemical Co., Ltd.*, Danderine soap, 1s. 0½d., 10s. 4d. doz., tax 3s. 5d. doz., i.r.p. 1s. 4d.

POLLEN COLLECTION IN THE UNITED STATES

OME 1,800 inhabitants of the State of North Carolina, and other south-eastern states of the U.S.A., supple-ent their family income very substan-ally by collecting pollen from wild plants. he pollen is delivered to a dealer, who in rn sells it to pharmaceutical manu-cturers for conversion into antigen for eating hay fever, asthma and other lergical conditions.

Mr. R. T. Greer, who claims to be the dest American collector of herbs, barks nd leaves now in the business, is also lieved to be the first man in the world collect pollen commercially. In one ree-week period a few seasons ago he llected and shipped over £10,000-worth f ragweed pollen. He began collecting ollen nearly forty years ago, when the eatment of allergical conditions with ollen antigens was first coming into rominence. In addition to ragweed, other ollens collected include maize, walnut ee, pine, dogweed, dandelion and rasses. The business has extended to nclude plucking chicken or goose feathers, btaining goat's hair, etc.

Eighty per cent. of America's crude drug roducts come from North Carolina, rgely because the Blue Ridge and Smoky Mountains areas, which contain an almost ncredible concentration of plant life. The usiness of gathering the products is a part-me occupation, being, of course, highly easonal. Only when the plants are ready or handling can they be gathered. Rag-eed, for instance, is collected entirely in ne three-week period, beginning in North arolina in the latter part of August. The ollectors may be men, women, children, or ne whole family working together. They o into the fields armed with a pan, over hich is stretched a coarse cloth for a sieve. he blossoms are shaken over the sieve, and the fine pollen drops into the pan. The work must be well timed—in the morning after the mist has evaporated and before a wind beats the collectors to the job. A calm, cloudy morning is best, as strong sun

A pollen collector at work

dries the pollen too rapidly. Grasses and certain other plants are taken home by the collectors and placed in jars of water. Each morning the pollen is shaken off on to clean paper.

Orders for exotic and rare plant pollens sometimes come in, and bulletins inform collectors of the demand and the price to be paid.

COMPANY NEWS

WINDSOR CHEMICAL CO., LTD. (P.C.).—Capital £100. To carry on business of chemists, etc. Gertrude M. Draycott, Geoffrey P. Waite and Wyndham W. Waite, directors. R.O.: 27-28 High Street, Windsor.

JOHN LAYFORD & CO., LTD. (P.C.).—Capital £100. To carry on the business of manufacturing and dispensing chemists and druggists, etc. Cyril E. C. Erith, director. R.O.: 195 Drummond Street, London, N.W.1.

HORRELL & CO., LTD. (P.C.).—Capital £1,000 To acquire the business of chemists and druggists carried on at 17 High Street, Rye, as "Horrell & Co." Ada S. Horrell, Joyce C. Horrell, and G. A. Harding, directors.

WALLACE MANUFACTURING CHEMISTS, LTD. (P.C.).—Capital £1,000. A holder of 500 shares may appoint one director. The first directors are not named. Solicitors: Hardman, Phillips & Mann, 10 Norfolk Street, London, W.C.2.

M. & C. CHEMISTS, LTD. (P.C.).—Registered in Belfast. Capital £10,000. George A. Campbell, Beechgrove, Barnmeen, Rathfriland; and Diarmuid Moore, Irish Street, Downpatrick, directors. R.O.: Bank Chambers, Hill Street, Newry.

HIGSON & HEATON, LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. J. P. Higson, H. H. Higson and H. Heaton, directors R.O.: 254 Chorley New Road, Horwich, Lancs.

CULPEPER HOUSE (EIRE), LTD. (P.C.).—Registered in Dublin. Capital £1,000. To carry on business of importers and retail dealers in chemists' and cutlers' sundries, toilet preparations, etc. The first directors are not named.

ICHTHYOPHENE, LTD. (P.C.). — Capital £1,000. To carry on the business of manufacturing, wholesale and retail chemists, druggists, etc First directors are to be appointed. Solicitors: Lovell, White & King, 2 Thavies Inn, London, E.C.1.

HEATHER (COSMETICS), LTD. (P.C.).—Registered in Edinburgh. Capital £500. To carry on business of manufacturers of and dealers in perfumes, chemists, etc. John Ingram and George Ingram Scobbie, directors. R.O.: 93 Waterloo Street, Glasgow.

ATHERMON, LTD. (P.C.). — Capital £40,000. To carry on the business of manufacturers of and dealers in chemical substances and products, plastics, etc. L. A. Paisner and A. G. N. Hancock, directors. R.O.: Station Road, Merton Abbey, London, S.W.19.

RIPPLE ROAD PHARMACY, LTD. (P.C.).—Capital £3,000. To acquire the business of chemists and druggists and sellers of toilet goods carried on at Barking by Thomas G. J. Pembro, M.P.S., and Magdolene M Lewis, who are directors of the new c pany. R.O.: 163 Ripple Road, Barking.

INDUSTRIAL DETERGENTS, LTD. (P.C. Capital £2,000. To carry on the busines of chemical manufacturers, distillers and chants, etc. The first directors are to be pointed. Solicitors: Parsons, Evans & Francis, 13 St. George Street, Han Square, London, W.1.

J. S. BREESE & SON, LTD. (P.C. Capital £1,500. To carry on the busi of chemists, druggists, opticians, etc. Edith M. Breese, Leonard S. Breese, K M. S. Breese and Robert G. Edwa M.P.S., directors. R.O.: 19 Wilmslow R Rusholme, Manchester, 14.

TURMIX (SALES), LTD. (P.C.).—Cap £2,000. To carry on the business of ma facturers of and dealers in food mixing juice extracting and other machines and pliances connected with the production, cessing, vending and measuring of fo drinks and chemicals, etc. First direc are to be appointed. Solicitors: Hardcas Sanders & Co., 80 Bishopsgate, Lon E.C.2.

LAWS' D. & D. PRODUCTS, LTD. (P.C. Capital £12,000. To acquire the busi carried on by Reginald E. Laws and De L. Laws at 18 Firs Parade, Muswell H London, N.10, and elsewhere as "D. & Products" and to carry on the business manufacturers of and dealers in toilet go plastic materials, etc. Reginald E. La 179 Hamstell Road, Southchurch, Es Dennis L. Laws, 33 Wilton Road, Mus Hill, London, N.10, and Wallace R. Robertson, "Ruallan," Redhill, Sur directors.

COCKBURN & CO., LTD.—Profit for year ended March 31, less charges for preciation, amounted to £17,771, agai £23,158 in the previous year. An ordin dividend of 20 per cent. is recommen the same as in 1946.

ASCOTTS PHARMACIES, LTD.—Interim d dend of 14 per cent. less tax, to be paid respect of the 7 per cent. cumulative pref ence stock in payment of arrears of divid on such stock for the two years en December 31, 1942, payment to be made August 18, to cumulative preference sto holders registered on that date.

A. J. WHITE, LTD.—Net profit for financial year ended March 31, 19 amounted to £73,378, which, with £23,0 brought forward, makes a total available £96,475. After deducting £9,625 for inter dividend paid in January and £52,000 taxation reserve, there is a balance £34,849. The directors recommend a fi dividend of 7½ per cent., making a total di dend for the year of 12½ per cent. Balan carried forward, £20,411 10s.

OPIUM BOARD REPORT

The annual report of the Permanent Central Opium Board for 1945-46 (the first report issued since the Board has been transferred from the control of the League of Nations to that of United Nations) shows a slight improvement in the number of countries sending in statistics to the Board. The Union of Soviet Socialist Republics, for example, which was one of thirteen countries which had previously ceased to send figures to the Board had sent in estimates for 1946. No returns, however, were being received from Bulgaria, Hungary, Rumania and Jugo-Slavia, countries which include "important opium and drug producing districts," and were among the thirteen countries mentioned. Other countries sending in no annual returns included Bolivia, Brazil, Ecuador, and Nicaragua, while Peru's figures for 1945 are missing. As this country is one of the largest manufacturers and exporters of crude cocaine in the world, this absence of information creates a serious gap in the Board's statistics.

Full returns have been received concerning Japan in 1945 and 1946. During their investigations, the American authorities found that a factory in Korea, operated by the Japanese Goverment, produced during 1938 and 1939 1,244 and 1,327 kilos of heroin respectively, equivalent to more than the world's total annual need and intended, the report states, for consumption by Chinese populace in Manchuria during Japanese occupation. Japan had reported to the international authorities that no heroin was manufactured in Korea during 1939.

The situation about the international control of narcotics in Germany is less satisfactory than in Japan. The Board has not received information from the Allied Control Authority in Berlin, for example, though some data had been received from military authorities in the American, British, and French Zones.

The Report stresses the urgency of establishing either a centralised control over narcotics in Germany, or at least of coordinating the control in the different zones.

Copies of the report may be obtained from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price one shilling.

AROMATIC COMPOUND MANUFACTURERS

The annual meeting of the British Aromatic Compound Manufacturers' Association was held in London on July 3. In the absence of Mr. F. G. Pentecost (chairman), who was recuperating from a serious illness, Mr. Cecil Bush (vice-chairman) presided. A vote of thanks was passed to Mr. F. G. Pentecost following his retirement after completing the full term of office, and it was decided to send him a letter of appreciation and good wishes for his early recovery. Mr. Cecil Bush (W. J. Bush & Co., Ltd.) was elected *Chairman* and Mr. F. A. Rowsell (Dubuis & Rowsell, Ltd.) *Vice-chairman*. Messrs. R. F. Gillham, W. Naumann, A. J. Plastow and J. A. Pentecost were re-elected to the committee, and Mr. W. C. Slater was elected to fill the remaining vacancy.

The chairman's report stated that the principal work of the Association had been concerned with the essential oils control. Some fifty oils had so far been removed from the scheme. The Association has taken up a number of points with the Control, in particular about certain controlled oils of which no purchases were being made, and those oils still in the scheme which were not provided for in the 1947 programme. Another major difficulty had been caused by lack of knowledge as to when delivery of various oils could be expected. The Ministry had been asked to give information as to when completion could be made of the substantial balances still outstanding under the 1946 programme. Assurances had been given on these and other questions. Satisfaction had been felt when the Board of Trade had agreed to an arrangement whereby 25 per cent. of all imported aromatics calculated on a value basis could be applied to the home market. The Board of Trade had been asked to relax the restriction on materials not produced or otherwise unobtainable in Great Britain by increasing the percentage available for home use. Similar representations had been made by the Toilet Preparations and Perfumery Manufacturers' Federation, which had subsequently put forward alternative schemes, one of which had proposed that 50 per cent. of all imported aromatics should be applied to home use. The committee gave full support to the proposal, which was under consideration by the Board of Trade.

FOLIC ACID

A review of present knowledge of the vitamin known variously as fo acid, as liver *Lactobacillus casei* factor and as pteroyl glutamic a

THE isolation and, recently, the synthesis of folic acid, a member of the vitamin B group, have provided medicine with a new and important weapon in the campaign against macrocytic anæmias. Although it may transpire that the vitamin is merely the co-enzyme of a yet undiscovered anti-anæmia principle, the efforts of the workers concerned rank among the most outstanding pieces of research undertaken during the past decade. At present, supplies of the synthetic material are mainly used for trials, but plans are in hand to prepare the substance on a large scale. When these materialise, folic acid may well supersede liver extracts in the treatment of all anæmias in which it is found useful.

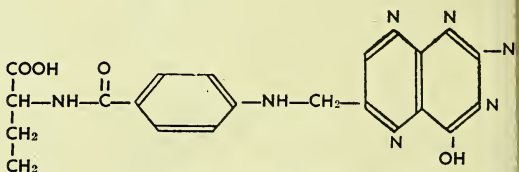
The name folic acid was given in 1941 by Mitchell, Snell and Williams, to a principle found necessary for the growth of *Lactobacillus casei* and other organisms, in order to suggest its natural origin—i.e. the leaves of spinach and other plants. The principle is found also n liver, yeast, soya bean, wheat, malt sprouts, grass juice, polished rice, egg yolk, etc.

The principle was thought to be similar to, if not identical with, an unidentified member of the vitamin B group isolated previously (in 1940) by Snell and Paterson, and found by them to be essential for the growth of *L. casei,* and termed "the *L. casei* factor." Experiments in 1941 by Snell indicated potentialities for folic acid in the treatment of anæmias. He found that rats fed with folic acid had a higher red-cell count than controls not given the vitamin, and that folic acid was produced by the intestinal bacteria of the rat. This production was impaired when succinyl sulphathiazole was given, but the deficiency could be restored by administering natural folic acid.

Properties of the Acid

In 1944, Herschell, Mitchell and Williams (University of Texas and Clayton Foundation for Research) published their findings on the physical and chemical properties of free folic acid obtained from natural sources. The compound was slightly soluble (2 mgm. per mil at 30° C. and 1 mgm. per mil at 0° C.) in glacial acetic acid and in liquid ammonia, but was insoluble in methyl, ethyl, and butyl alcohols, acetone, benzene, chloroform and other organic solvents. The more phy logically active fractions were found to be stable than the others, 50 per cent. inacti tion being caused by boiling with N/1 s phuric acid or N/1 sodium hydroxide for hour, the speed of inactivation being highe ultra-violet light. The ammonium salt relatively stable in neutral solution, but destroyed by boiling in presence of oxyg

In the following year Angier and oth working at the Lederle Laboratories, I Pearl River, New York, and the Ca Chemical Division of the American Cya mid Co., New Jersey, U.S.A., reached turning-point in the history of folic acid completing the synthesis of the material. T synthetic product was found to be identi with the *L. casei* factor obtained (by Stoks and others) from liver, but differed from *L. casei* factor obtained (also by Stokstad) fr a fermentation residue. The relation betwe the two factors could be demonstrated, s Angier and co-workers, by anærobic alkali hydrolysis of the fermentation factor, whi converts that substance into the *dl*-"live *L. casei* factor, with simultaneous formation a compound containing alpha-amino a nitrogen. The "liver" *L. casei* factor has be found to contain one molecule of glutan acid and a pteridine structure, and has t



Liver *L. Casei* factor (folic acid)
N-[4-{[(2-amino - 4 - hydroxy - 6 - pterid methyl] amino} benzoyl] glutamic acid.

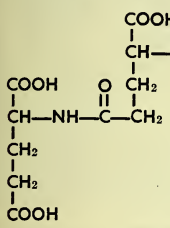
structural formula shown immediately abov The compound, which is now often know as pteroyl glutamic acid, is a yellow substan slightly soluble in boiling water and almost i soluble in cold water. The pteridine part the molecule is related to the yellow colourin matter of butterflies' wings.

The "fermentation" *L. casei* facto (pteroyl di-glutamyl glutamic acid) has bee found to contain three molecules of glu amic acid, for which Spies and his co workers have suggested the formula show on p. 45, assuming normal peptide linkages Yet a third naturally occuring form of th

itamin (pteroyl hexa-glutamyl glutamic cid) yields seven molecules of glutamic acid.

olic Acid and Anaemias

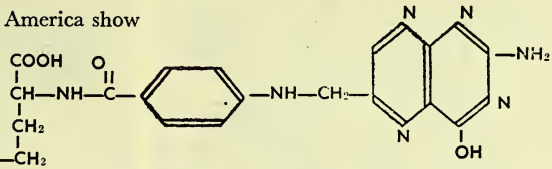
Clinical trials in Britain and America show hat folic acid produces a æmopoietic response only n macrocytic anæmias,



which are caused by bone marrow dysfunction resulting in an insufficient production of erythrocytes. As, sually, sufficient hæmoglobin is available, he erythrocytes are often larger than ormal (macrocytic) and deeper in colour rom their greater content in hæmoglobin. Folic acid appears to be of no value n aplastic anæmia, in which the erythrocyte roducing action of the bone marrow is epressed by chemical or bacterial toxins ; in eucopenia, in which the number of leucocytes n the blood is reduced to 5,000 or less ; or in hrombocytopenia, in which there is a decrease in the number of blood platelets. The ompound is equally ineffective in anæmias due to iron deficiency (characterised by mall, paler-than-normal cells).

Clinical Uses

It is at present too early to pronounce on the linical usefulness of folic acid, but there eems every probability that its greatest use will be in nutritional macrocytic anæmias—ncluding the pernicious anæmia of pregnancy —and in the sprue syndromes (diseases widepread in the tropics). In the sprue of Cuba and Porto Rico, which occurs among natives uffering from longstanding malnutrition (where there is a failure of fat absorption rom the stools, diarrhœa, and megaloblastic anæmia), the administration of folic acid clears up the macrocytic anæmia and diarrhœa. The sprue of India and the Far East affects foreigners even under normal nutrition. Signs of malnutrition develop as a result of the partial failure of intestinal absorption in the course of non-tropical sprue and cœliac syndrome, which appear in persons not significantly under-nourished. These diseases usually respond to folic acid treatment if the marrow is megaloblastic, but not if it is normoblastic. Photomicrographs reproduced on p. 46 show the effect of folic acid in the treatment of pernicious anæmia where the bone-marrow is megaloblastic (compared with the effect of a parenteral liver preparation).



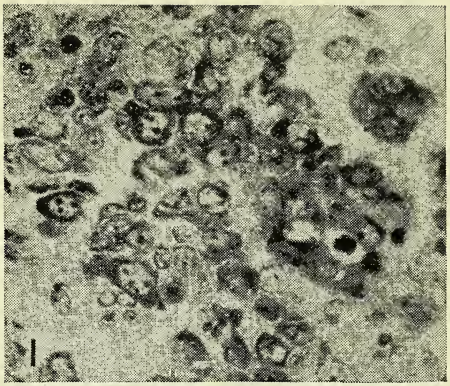
Fermentation *L. Casei* factor (a conjugated folic acid)
Pteroyl di-glutamyl glutamic acid

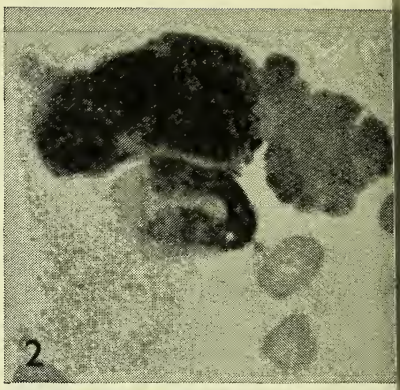
Long-term Limitations

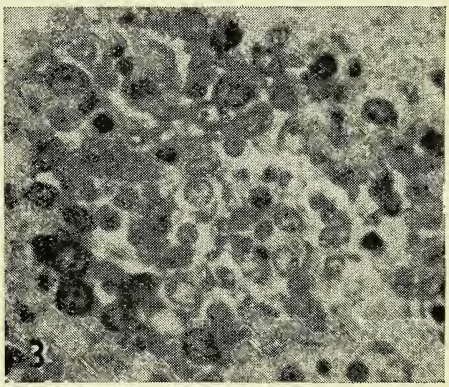
In pernicious anæmia, short-term results are uniformly good. Given orally (20 mgm. daily) or as a single injection (50-100 mgm. intravenously or intra-muscularly), the drug produces an early reticulocyte response, with transformation of the bone marrow from the megaloblastic to the normoblastic condition, a rise in the red-cell count, and a general clinical improvement. In long-term treatment, difficulties arise because folic acid is unable to prevent or cure nervous symptoms accompanying the disease, and some patients in whom these symptoms were found have actually become worse. Davidson and Girdwood, among other workers, maintain that " folic acid cannot be recommended as the sole therapeutic agent for maintenance treatment in pernicious anæmia."

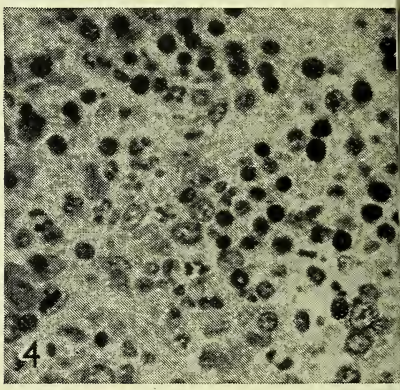
The part played by folic acid in the physiology of hæmopoiesis is still by no means understood. Davidson and Girdwood point out that the administration of synthetic folic acid to pernicious anæmia patients or to normal persons is followed by a marked increase in the excretion of folic acid in the urine. When conjugated folic acid is given, normal persons show an increased excretion of free folic acid in the urine. Pernicious anæmia patients show none, although a large excretion of folic acid follows the administration to them of liver. The fact may be taken to indicate that pernicious anæmia patients are unable to liberate free folic acid from the conjugated form occurring in foods, and Davidson and Girdwood suggest that normal liver contains a factor enabling the process of conversion of the conjugated into the free acid to take place. This factor they call the " liberating factor " (abbreviated to " L.F.").

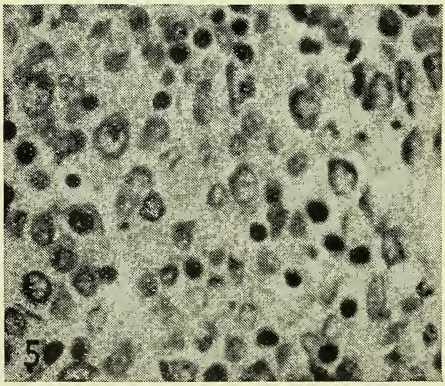
On the other side of the Atlantic, Spies and other workers report success in the treatment of sprue, pernicious anæmia, and nutritional macrocytic anæmia, using a conjugated form

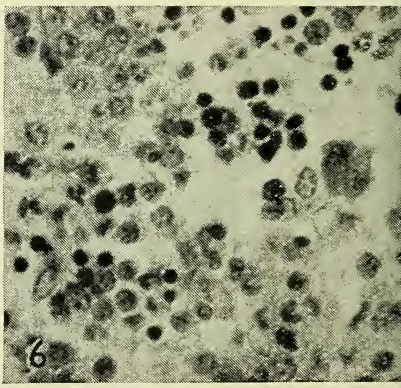












SECTIONS AND FILMS OF MARROW FROM STERNAL PUNCTURES.

1. Before folic acid therapy, showing megaloblasts (primitive red blood corpuscles of large size) and abnor increase in cells; 2, Giant megaloblast (x 1150); 3, Twenty-four hours after start of folic acid ther (showing appearance similar to that in fig. 1); 4, Section nine days after start of therapy (showing mar improvement, normal production of red cells and granulocytes); 5, Section from a typical case of pernic anæmia in relapse before start of liver therapy; 6, Six days after commencement of parenteral liver treatm

f folic acid, provided that a large enough dose as given. Weight for weight, response to folic cid was, however, greater than to the con-ugated form. American workers agree that ver extracts are concerned with the release of ored complexes of folic acid, but some ex-lanation is needed of (a) the disparity etween the large amounts of folic acid and e minute quantity of principles present in ver extracts, which are required in order to ive the same hæmopoietic effect, and (b) the ncomplete effect of folic acid in pernicious næmia treatment. Spies maintains that e drug is not the anti-anæmia principle it-lf, but is an enzyme or co-enzyme con-erned with the formation of the principle. hen obtained in pure form the principle ill prove more efficacious, Spies suggests, han any substance previously available.

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Angier and others, " Science " (103. 667).

PERSONALITIES

MR. BERNARD FOSTER, M.P.S., has been ppointed president of the Hull Chemists' Association and chairman of the local Branch of the Pharmaceutical Society after being for ten years secretary of the Association. Educated at Hull municipal technical college, Mr. Foster qualified in 1929 from the Royal Dispensary, Edinburgh, and has since taken an active part in Hull pharmaceutical affairs. Much of his activity has centred on pharmaceutical education, and he is part-time lecturer at the Hull technical college. He considers that the help given to students by the Hull Education Committee is not sufficiently known by parents. He has attended a number of national conferences on the National Health Service. Mr. Foster, who is secretary of the Hull Fencing Club, has done considerable travelling abroad, and makes a study of international relations.

PROFESSOR J. N. DAVIDSON has been appointed to the Gardiner Chair of Physiological Chemistry, Glasgow University.

MR. ALLAN EWING, M.P.S., 71 White Street, Partick, Glasgow, a member of Willowbank Bowling Club, has won the bowling championship for the North District of Glasgow and will be one of sixteen players who will compete in August for the championship of Scotland.

MR. VICTOR BLAGDEN (president of the British Chemical and Dyestuffs Traders' Association, Ltd.), was the writer of a letter in the " Times " of July 2 complaining of treatment and delays entailed in clearing the Customs at British ports.

MR. HAROLD V. MERCER, Lindsay, Ontario, Canada, is to be president of the Canadian Pharmaceutical Association convention which is to be held at Vancouver in August. In 1945-46 he was president of the Ontario College of Pharmacy and has served for many years on the Ontario pharmaceutical council.

SIR EDWARD APPLETON (secretary of the Department of Scientific and Industrial Research, SIR HENRY DALE (president of the British Association for the Advancement of Science), and SIR ALEXANDER FLEMING (professor of bacteriology, University of London), are among those who are to receive the honorary degree of Doctor of Laws of St. Andrews University, Dundee, at a ceremony to be held on August 29.

Too Many Doctors.—After years of growling from public and doctors about shortage of medical men, New Zealand authorities are now alarmed because of a complete reversal of the demand-supply position. Sir Charles Hercus, Dean of the Otago Medical School, estimates that an average yearly graduation of forty-five students would be fully adequate to the Dominion's needs.—" Australasian Post."

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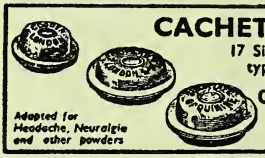

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OL. CXLVIII JULY 12, 1947 NO. 3516

Repeats of Schedule 4 Prescriptions

COPIES of correspondence with a branch ecretary regarding the repetition "as equired" of prescriptions for restricted Schedule 4) drugs have been sent to THE CHEMIST AND DRUGGIST by Mr. F. W. Adams (Deputy Secretary of the Pharmaeutical Society). Dealing with the quesion whether such prescriptions may be lispensed a limited or an indefinite number f times, Mr. Adams writes:—

"Unfortunately the entry in THE CHEMIST AND DRUGGIST Poisons Guide is not an accurate statement of the position. The relevant extract from the Poisons Rules is as follows:—

(*a*) The prescription must not be dispensed more than once unless the prescriber has stated thereon that it may be dispensed more than once.

(*b*) If the prescription contains a direction that it may be dispensed a stated number of times or at stated intervals, it must not be dispensed otherwise than in accordance with the direction.

Our interpretation of this is that if a prescription is marked 'to be repeated,' the prescription may be repeated as often as required. This has been our interpretation during the whole period during which the Poisons Rules have been in force, and has not led to any difficulty."

The question of unlimited repetition of Schedule 4 prescriptions is one on which we must express complete disagreement with the Society. In particular we must emphasise that the *C. & D.* Poisons Guide clearly and accurately sets out the requirements of Poison Rule 12 governing the conditions that must be fulfilled in dispensing prescriptions for restricted (Schedule 4) drugs.

As set out on p. 39 of the Poisons Guide, Poison Rule 12 specifically states, in paragraph (3) (*e*), that such prescription must "indicate the total amount of medicine to be supplied and the dose to be taken." The requirement is prior to the dispensing provisions of paragraph 4. A prescription repeatable "*ad lib.*" thus cannot be in order since it does not indicate the total amount to be supplied.

Quite obviously the objects of Poison Rule 4 are to make Schedule 4 drugs subject to control by the medical practitioner, and to obviate any possibility of the patient's obtaining excessive supplies. The only permission given to the dispenser is that given under paragraph 4, which allows the aforesaid amount of medicine to be dispensed once only or at a stated number of times or at stated intervals.

Text and Intention

Thus the dictum of the Pharmaceutical Society is, in our contention, contrary to the text as well as the intention of the Poisons Rules. Undoubtedly the pharmacist is placed in a quandary when faced with a prescription for a Schedule 4 drug in which the direction "To be repeated" is without limitation. It is the duty of the pharmacist, however, to notify the prescriber that such instructions as "to be repeated" require the addition of a total quantity in order to be in accordance with the Poisons Rules. Otherwise the onus of supply in case of an inquest following an overdose of a restricted drug lies with the pharmacist who dispenses the prescription, and all the authority of the Society may not avail as a defence.

Although the officers of the Society have, like ourselves, a right to their opinions, it is invidious to express them in a manner which conflicts with the duties of administration with which the Society is charged under the Pharmacy Acts. The Society should not attempt to adjudicate on matters about which it is liable to prosecute.

Cost-of-Works Payments on Dilapidated Property

An important judgment affecting the basis of assessment of cost-of-works payments in claims where, at the time of the war damage, the property was in a state of disrepair, was given recently by the Court of Appeal.

Disrepair at Time of Damage

The question at issue was whether, in the events of the premises being, at the time of bomb damage, in a state of disrepair, any deduction should be made in respect of the disrepair from the cost of the work necessary to make good the damage. In the case in question the building was old and the walls, which were damaged by the bomb, were in a very bad state. After the bomb had dropped the structure became dangerous and had to be pulled down and rebuilt. The War Damage Commission. which was making a cost-of-works payment, contended that a deduction ought to be made from the payment in respect of the dilapidated condition of the property at the time of the damage. The Court of Appeal, however, held that the claimant was entitled to the full cost of rebuilding the walls, without any deduction whatever.

In arriving at this conclusion, the Court pointed out that it was practically impossible to estimate whether any different result in the condition of the property, after the bomb had dropped, would have been produced by the explosion had the property been in a good state of repair. For it is common knowledge that a sound and rigid structure has often been found to suffer more severely from bomb blast than one which is old and which by the very fact of its age enjoys the qualities of suppleness and resilience.

It was, he stated, therefore a general practical rule that no deduction was required to be made from the cost of executing works necessary to make good war damage in respect of the condition of the property at the time of the war damage. On the other hand there may be exceptional cases in which such a deduction is properly made. An example would be a building which was in such a dangerous state prior to the damage that it was required to be pulled down unde a "dangerous structure" notice. If in s a case a bomb demolished the prop completely, it could not reasonably be c tended that the owner should obtain cost of a new building. On the contr he would have been benefited by destruction, for the bomb would have d at practically no cost to himself, what would otherwise have been obliged, at own expense, to employ a demolition c tractor to do.

Men and Women in Industry

The May issue of "The Ministry Labour Gazette" estimates proba changes in the working population Britain and the numbers that may be e ployed, or available for employment, up the end of 1951. The most important c clusions reached are that the number women workers in industry will unde a substantial decrease and that there v be increases in the higher age groups a decreases in the lower age groups of b men and women. It may be too early estimate the labour requirements of speci industries and trades during the next f years but recent tendencies may be wo examining. In June 1939 the chemical dustry (which is rather too widely classifi to be of specific value, taking in explosiv coke-oven and by-product workers) e ployed 130,100 men and 44,200 wome Four years later, under the demand of w there were 198,700 women workers.

Gradual Decrease

By January 1947 the numbers employ in the industry had fallen but the c cline in women workers to 80,600 w less rapid than expected and it would see likely that more will remain than we employed in industry in pre-war years. M in the industry at that date number 155,500 the result of a gradual increa during several months. In the distributi trades the total of both sexes employed f from 2,160,400 in June 1939 to 1,784,4 in January 1947. Whereas, however, in t pre-war period there were 1,309,500 m against 850,900 women, at the beginning 1947 the men totalled 875,300 and t women 909,100.

PHARMACISTS ON EXECUTIVE COUNCILS

The following pharmacists have been nominated by Pharmaceutical Committees to serve on the Executive Councils so far set up under the National Health Service Act:—

Barrow-in-Furness, Messrs. J. N. Murray and A. W. Smeddles.

Bedfordshire, Messrs. C. R. Handscombe, Bedford; and F. B. Elders, Luton.

Blackburn, Messrs. W. H. Lightbown and T. S. Nowell.

Blackpool, Messrs. J. H. Lowe and P. Varley.

Bournemouth, Messrs. D. Dalis Jones and N. K. Phillips.

Brighton, Messrs. T. Rees Morgan and L. V. Chatfield.

Burnley, Messrs. T. Howarth and R. Hudson.

Burton-on-Trent, Messrs. J. Parry and J. A. Dean.

Bury, Lancs, Messrs. S. Preston and T. Molyneux.

Cambridgeshire, Messrs. A. Border, Trumpington; and E. Shufflebottom, Cambridge.

Chesterfield, Messrs. W. F. Croft and R. E. Twelves.

Coventry, Messrs. W. A. Bales and O. T. Hall.

Croydon, Messrs. D. J. Williams and A. E. Baxter.

Derby, Messrs. S. Taylor and P. C. Toy.

Doncaster, Messrs. J. Ogden and J. C. Walmsley.

Dorsetshire, Messrs. H. Lewis, Poole; and E. C. Clark, Dorchester.

Dudley, Messrs. C. G. Murray and P. G. Richardson.

Durham County, Messrs. W. Low, Blackhill; and T. Sisterson, Felling.

Eastbourne, Messrs. G. Checkley and N. Riddle.

Essex, Messrs. G. F. Deeth, Chingford; and E. E. Farrant, Romford.

Great Yarmouth, Messrs. P. R. Hill and F. E. Whitfield.

Hastings, Messrs. H. F. Baird and S. H. Salmon.

Herefordshire, Messrs. F. D. Lewis-Smith, Hereford; and F. Freeman, Hereford.

Hertfordshire, Messrs. P. H. Warren, St. Albans; and E. E. Russell, Letchworth.

Huddersfield, Messrs. L. H. Fawthrop and H. Bradshaw.

Huntingdonshire, Messrs. H. Osborne, Huntingdon; and A. E. Sewell, Huntingdon.

Ipswich, Messrs. H. H. Starling and S. J. Stearn.

Isle of Wight, Messrs. G. B. Ramage, Newport; and F. W. Beken, Cowes.

Leicester, Messrs. C. C. Lenton and T. C. Peberdy.

Liverpool, Messrs. G. L. Clubb and J. L. Hirst.

London:—

East Ham, Messrs. G. H. Hester and J. Thomson.

West Ham, Messrs. J. Reed and G. W. Todd.

Middlesex, Messrs. R. H. Rowson, Harrow; and J. A. Stewart, London.

Newcastle-on-Tyne, Messrs. T. H. Flemming and G. H. Cooper.

Northampton, Messrs. C. W. Wolfe and W. H. Dunn.

Northumberland, Messrs. T. R. Boon, Wallsend-on-Tyne; and C. B. Young, Whitley Bay.

Oldham, Messrs. W. Garside and S. Radcliffe.

Plymouth, Messrs. A. Downing and C. C. U'Ren.

Portsmouth, Messrs. A. G. Bradburn and F. H. Ruoff.

Rochdale, Messrs. J. Slattery and J. W. R. Richardson.

Sheffield, Messrs. E. Preston and C. W. Hobson.

Staffordshire, Messrs. C. G. Murray, Tipton; and J. Eymer, Stafford.

Somerset, Messrs. W. Deacon, Bridgwater; and H. M. Lovell, Weston-super-Mare.

Southampton, Messrs. J. M. Dowty and J. F. C. White.

Southport, Messrs. J. Gee and H. Orr.

Stockport, Messrs. J. H. Taylor and H. S. Officer.

Suffolk, West, Messrs. R. W. Wardman, Sudbury; and K. E. Jenkins, Bury St. Edmunds.

Stoke-on-Trent, Messrs. J. A. Dale and H. C. Shaw.

Surrey, Messrs. W. Morrell, Cobham; and F. C. Wilson, Wimbledon.

Sussex, East, Messrs. C. L. Cameron, Seaford; and A. G. Thomas, Lewes.

Sussex, West, Messrs. H. J. Seath, Worthing; and H. R. Storm, Worthing.

Tynemouth, Messrs. P. Dagg and H. S. Williamson.

Wallasey, Messrs. J. Valentine and C. H. Leggett.

West Bromwich, Messrs. E. M. Withers and W. A. Wood.

PHARMACEUTICAL SOCIETY OF GREAT BRITA

Meeting of Council

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held in London on July 1 and 2, Mrs. J. K. Irvine (president) in the chair.

THE PRESIDENT referred with regret to the death of Mr. L. Moreton Parry (see *C. & D.*, July 5, p. 14) and recalled that so recently as at the previous meeting of the Council, appreciation of his service to pharmacy during his thirty-four years' membership of the Council had been recorded in the minutes. Mr. A. R. Melhuish paid a tribute to Mr. Parry, saying he had served longer than any other member of the Council. His activities had been widespread, and his sincerity and his strenuous work for pharmacy would be long remembered. Members of the Council then stood in silent tribute. THE PRESIDENT also reported, with regret, the death of Mr. John Warren Gray, Ph.C., Armagh (president, Pharmaceutical Society of Northern Ireland).

It was resolved to send letters of congratulation to Professor J. A. Gunn (chairman, British Pharmacopœia Commission, and formerly a member of the Society's Council as a nominee of the Privy Council), who was made a C.B.E. in the Birthday honours, and to Dr. R. A. Young (consulting physician, Middlesex and Brompton Hospitals), who had received a knighthood. THE PRESIDENT reported that Mrs. W. Chalmers had presented to the Society an engraving of Professor Attfield in memory of her late husband, and the Council expressed their appreciation of the gift. A letter was received from Dr. E. Höst Madsen (president, International Pharmaceutical Federation) thanking the Society for his election as an honorary member. Mr. J. C. Young, in a letter thanking the Council for its expression of appreciation of his twelve years' service on the Council, said he had always considered membership a privilege and a pleasure and would continue to take a great interest in the Council's activities.

Penicillin Bill

THE SECRETARY reported on the amendments made to the Penicillin Bill, which incorporated all changes which the Council had desired. Although clinics and nursing homes could obtain penicillin, it could not be administered except by or on the order of a doctor, dentist or veterinary surgeon. The ambiguity concerning repeat prescriptions had been removed and provision made for the inclusion of synthetic as well as natural products resembling penicillin. Society had been given power to enf the provisions of the Act.

Move to Exclude Press

Replying to a question asked by McNeal at the previous meeting of Cou (see *C. & D.*, June 14, p. 691) why the I Committee minutes were taken in privat view of a resolution of the Council in 1 that all committee minutes should be sented in public, THE PRESIDENT said t soon after the resolution of 1937 it had come apparent that the whole of the minu of the Law and Publications Commit would have to be discussed in private, a the presentation in public would theref be a mere formality. Consequently practice had developed of taking these m utes after the conclusion of the public bu ness. From time to time other commit minutes had also been taken after the pub business, as circumstances dictated. M H. C. SHAW (vice-president) gave not of moving at the next meeting that t resolution of 1937 should be rescind Mr. C. W. MAPLETHORPE gave notice t he would move a resolution that Coun meetings should be held in private in futu

It was reported that since the previo meeting approval for practical training h been granted for twenty-eight pharmaci Applications from four hospitals and t manufacturing pharmaceutical laborator were approved for individual pupils. T concessions to ex-Service candidates in spect of the Intermediate examination we reported, and a third candidate was grant exemption from articled pupilage. T foreign applicants had been granted studen ship concessions under regulation 31 (3 one application had not been granted.

Mr. C. W. MAPLETHORPE (chairma Education Committee) reported that, in r sponse to requests from the Guild of Publ Pharmacists and others, arrangements ha been made with the principal of Chels Polytechnic for a part-time course of i struction to be arranged for Chemists ar Druggists wishing to proceed to the Pharm ceutical Chemist Qualifying examinatio The Committee recommended, and th Council agreed, that the proposed course study of three evenings a week for thre years should be approved. Mr. H. STEI MAN asked whether similar courses would b approved in other parts of the countr Mr. MAPLETHORPE replied that his commi

e was anxious to keep close control over ny part-time courses, but proposals from ny area where there was a real demand ould be considered.

lasgow University Course

Modifications were reported in the rriculum of the four-year course for the egree of Bachelor of Science in pharmacy the University of Glasgow. Instead of e award of honours of the first or second ass, or a pass degree, over a group of subcts, the final examination would now mprise qualifying subjects and honours bjects. The qualifying subjects would be harmacy, pharmacognosy, pharmacology, dvanced chemistry and physiology; the onours subjects would be pharmaceutics, ith one of the following: microbiology, harmacognosy; the chemistry of medical roducts (pharmaceutical chemistry), exerimental pharmacology, or physiological hemistry.

angerous Drug Reminder

The report of the Law Committee, prented by Mr. C. Davis, stated that a letter d been received from the Home Office awing attention to a number of instances the unlawful supply, by authorised sellers poisons, or drugs to which the Dangerous rugs Acts applied. The letter asked that harmacists be reminded that they must ke reasonable steps to satisfy themselves at prescriptions and orders for dangerous ugs were issued in compliance with Regutions 8 and 9 of the Dangerous Drugs egulations, 1937, and that failure to take eps to verify prescriptions in future might ake it impossible for the offenders to be alt with by way of caution.

est Action

The Law Committee reported that the ociety's counsel was in agreement with the ouncil's decision not to appeal to the ouse of Lords against the decision of the ourt of Appeal on the definition of "subance recommended as a medicine." Copies the report on the test action were being rculated to local authorities to secure unirmity in enforcement of the Pharmacy d Medicines Act, 1941. The Law Comittee also reported that in May 1947 the ociety's inspectors and agents had visited 079 authorised sellers, 184 listed sellers, d 659 drug stores and similar traders. fteen cases of alleged infringements of the harmacy Acts were considered, and appropiate action taken.

Branch Representatives' Meeting

The following details of the agenda for the Branch Representatives' meeting, to be held at Torquay on September 17, 1947, were approved: 9.30 a.m.—12.15 p.m.: Report on revision of the Society's constitution; report on proposed by-law regarding canvassing and propaganda by Council candidates; report on time of holding the annual meeting; discussion to be opened by the president. 2.30 p.m.—5 p.m.: Continuation of morning discussion if necessary; changes in the education regulations: explanation by the chairman of the Education Committee. Mr. Granville Shaw said that, in his opinion, the question of canvassing and propaganda by Council candidates should be dealt with by an addition to the Code of Ethics rather than by a by-law, and he moved as an amendment that both methods be placed before the Branch Representatives. Mr. Wells (chairman, Organisation Committee) pointed out that the Branch Representatives would be free to make any recommendations they chose. Mr. Granville Shaw withdrew his amendment. It was decided that the Branch Representatives' meeting be open to the Press, and that members of the Society who were not Branch Representatives would be permitted to attend as visitors.

Branch Motions

It was reported that the following motions had been received from the branches:—

Dartford Branch: "That the Council of the Society instruct the Editor of the 'Pharmaceutical Journal' that very much more space be allotted to (a) Letters from members; (b) Reports of branch meetings, with special emphasis on all discussions and criticisms."

Durham County Branch: "That the Durham County Branch is of the opinion that it is entirely in the interest of the student, and the profession as a whole, that a minimum of two years' apprenticeship is essential before the commencement of final academic training."

"That the Durham County Branch deplores the adoption of the new education policy without first having had it studied and discussed in the local branches."

Leeds Branch: "This meeting of Branch representatives is of the opinion that, in view of the greatly increased cost of maintaining normal branch work, the *per capita* grant shall be increased to 4s. and that students shall be included in the computation."

"This meeting of Branch representatives is of the opinion that no alteration or amendment to the Society's by-laws shall be made except with the approval of a Branch Representatives' meeting by a two thirds majority."

New Branches

MR. WELLS reported that he had authorised grants for seventeen branches with a total payment of £525 1s. 10d. The formation of a new branch in the Dewsbury district was approved, subject to a satisfactory report from Mr. Heseltine, and of a new branch in the Hounslow district, subject to the views of the Thames Valley Branch.

In the report of the Establishment Committee, presented by THE VICE-PRESIDENT in the absence of Mr. G. R. Knox Mawer, it was pointed out that the Joint School Committee could not make use of the premises at 361 Clapham Road (formerly the London College of Pharmacy) of which the Society held a lease. A recommendation that the necessary six months' notice be given to terminate the lease was agreed.

MR. DAVIS drew attention to the gift to the Society's London Library by Mr. W. H. Hampton, Gloucester, of three volumes, dated 1864-66, entitled "Leechdoms, Wortcunning and Starcraft of Early England" by the Rev. Oswald Cockayne.

After THE PRESIDENT had called attention to the centenary of the Chemical Society, to be celebrated in London on July 15, it was resolved to send an address of congratulation, and authority was given for the seal of the Society to be affixed to the address.

Registrar's Report

THE REGISTRAR reported that since the previous meeting of the Council, thirty-four persons had been registered as apprentices or students, making a total of 289 in the current year. The names of eight pharmacists removed from the registers before 1946, and of two persons removed in 1946, were restored. The names of 215 pharmacists who had not paid the fee for the current year were removed. A further list of 173 names was submitted of pharmacists who had not paid the fee and who had intimated their wish to retire; it was resolved that the names be removed from the registers. Sixty-six addresses in respect of which the premises fee had not been paid were removed from the Register of Premises. MR. HESELTINE asked whether the figure of 289 apprentices or students was a fair average for six months. THE REGISTRAR replied that the figure showed an increase, he number registered in the correspon g period last year being 195.

Finance Committee

The Council approved payments r le by the secretary amounting to £3,176 d payments made by the treasurer amou g to £17,483. The trustees of the Pha a- ceutical Trust were requested to reimb e to the Society £1,000, part of the ed a- tional salaries paid for June. The C n- mittee unanimously recorded its appr a- tion of the services rendered by Mr. H C. Shaw during his five years' servic s treasurer.

MR. E. A. BROCKLEHURST (chair n, Benevolent Fund and War Aid Fund C n- mittee) reported that grants had been m e to two members and five widows, amou g to £281 12s. The Council approved t e further grants amounting to £244. e committee authorised the payment, on e- half of each student placed at a boar g school through the Fund, of £20 for holi s for one year, together with railway f . The committee's quarterly report sho d that in the June quarter of 1947 gr s totalling £1,644 were made to twenty e out of thiry applicants. In the corresp - ing quarter of 1946 there had been y applications, forty-nine of which e granted, amounting to £1,830. Rec s in the quarter were (1947) £2,072, inc - ing subscriptions of £1,034, and (1) £3,635, including subscriptions of £ . Five applications for assistance from e War Aid Fund were received in Ju ; three applicants were granted sums amo - ing to £656, and two cases were defer . In the June quarter four grants were m , totalling £18, against seven grants total g £1,226 in the same period of 1946. S - scriptions during the quarter amounte n £28. The committee expressed its th s to Mr. McNeal for his work as chairma the previous two years.

Visit to Switzerland

THE SECRETARY reported that, as ag by the Council, the Society would be re sented at the coming meeting in Zuric the International Pharmaceutical Fed tion (see *C. & D.*, January 18, p. 76) the president, the vice-president, Messrs. Maplethorpe, McNeal and T tram, and the secretary. The Cou decided to add the names of Messrs. Dea and Brocklehurst to replace Mr. Melhu who had withdrawn, and the late Mr. Pa making a total of eight representatives.

IN CAMERA

Notice has been given (see p. 52) of a motion that meetings of the Council of the Pharmaceutical Society should be held in private in future.

THE perennial chairman of the Decisions Quorum of the Steering Subcommittee of the Management Committee of the Galen Association flicked a purely imaginary speck of dust from his starched sleeve and—at risk to the sterility of the chamber—lowered the mask from before his face to make sure his words were understood.

The other member looked up expectantly, but with the deference due to the superior wisdom of the Elder Counsellor.

"At last," said the chairman, "I think I may say that I have sealed off every possibility of leakage. The resolution of 1937, under which members of the Association were admitted as spectators to the meetings of the Management Committee, was rescinded by vote of the whole Committee in —I think it was 1947. A little later, when it was found that members were still getting an idea (although a totally wrong one) of what was taking place at the meetings, I moved a resolution before the Steering Subcommittee that the Press should be excluded. It was carried with my casting vote.

"Still, however, there were whisperings of what went on, and in 1952 I was compelled to propose before this Quorum that the Association's officials should not be allowed within the chamber, but that their function should be confined to typing out the manuscript report which I should hand them at the conclusion of each session.

"It will be fresh in your minds, gentlemen—I beg your pardon, *mind, sir*—that I was later forced to take action against the other members of the Quorum, which resulted in their being excluded from all subsequent meetings. Last week, on my own initiative, I had the surveyor in to examine the air-conditioning system, and he has declared that there is no possibility of any words spoken in the chamber being picked up outside.

"So I think I may say," and there was undoubted authority in his voice as he said it, "That this time the veil of secrecy will not be pierced. At least, if it is, I shall have a very shrewd idea where the blame must be apportioned," he went on trying to fix his colleague with his eye.

The other man, however, had allowed his attention to wander. He appeared to be watching something moving rapidly across the room, just below the level of the ceiling. "Do you see what I see?" he gasped.

"What is that?" asked the chairman.

"Saucers," said the other, "Flying saucers passing freely in and out of the chamber, and there seem to be markings that look like shorthand signs on each of them. How can you imagine there will be secrecy if these things manage to get into the chamber?"

"What sorcery is this?" said the chairman. "I can see nothing. Just a minute, though, I believe you are right. Yes. No. Yes. But it's not saucers, it's elephants, and they're not white, they are pink."

The shock of what he saw, coming to a man normally so self-possessed as the chairman, was too much, and he passed out.

Released from the spell of the chairman's personality, the other man seemed to break loose. He tore down the soundproof curtain, burst through the air-lock, ran a practised finger round the combination lock on the outer door, and rushed to a telephone.

"Is that the Editor of the 'Galenical Gazette'?" he panted. "I have important news for you. The chairman died suddenly from shock this afternoon. . . ."

"Oh, that! Don't waste my time, Mr. —er—we have that story already."

"Impossible. Why, I've only just come from the chamber to telephone."

"With our new system of Radar-propelled thought-recording discs we get the information before you can reach the telephone box."

"Great Scott! The flying saucers!"

"Exactly. Mind you, I shan't use the story."—"Oh? And why not?"

"No. In this office no report about the Association is regarded as authentic and unbiased unless it comes to us on official paper and bearing the signature of the perennial chairman."

"But I am the only person left who can give any statement on what took place this afternoon."

"In that case, Mr.—er—I am afraid the last report on the Association has already appeared. I appreciate your desire to be helpful to members of the Association, but of course you are only an ordinary member of the Committee. You can't possibly grasp all that is going on."

The Editor rang off, and there the matter rests for the present.—W. H. O.

[The question of Press admission to Council meetings will be discussed editorially in these columns next week.—EDITOR.]

NORTH BRITISH BRANCH ANNUAL MEETING

THE annual meeting of the North British Branch of the Pharmaceutical Society was held in Edinburgh, on June 25, Mr. Alexander Murray in the chair.

It was unanimously agreed that a letter of congratulation should be sent to Mrs. J. K. Irvine on her election as president of the Society.

Chairman's Statement

THE CHAIRMAN said that for the annual meeting a special invitation had been sent to branch representatives and the time of meeting had been changed to 2.30 p.m. From the attendance, the biggest he had seen during the last thirty years, he thought the innovation had proved justified and it would be repeated in the future. As another innovation, a general discussion on "The Proposals for a Revised Constitution of the Society," to be opened by Mr. A. A. Meldrum, had been arranged to follow the more formal part of the programme. The new type of meeting was experimental, and he hoped that a discussion on topical subjects would become a feature of future annual meetings. In time it might be possible to hold a regular Scottish Branch Representatives' meeting.

The proposals for revision of the Society's constitution and Charter, pharmaceutical education, and the new health service had been among the major topics of 1946-47. The Society had received its Royal Charter in 1843 and certain principal objects had been claimed. Much water had run under the bridge since then; the many necessary changes had required a supplementary charter as well as various Acts of Parliament from 1852 to 1941. The Council had therefore decided on a revision of the Society's constitution and had invited full discussion of the proposals by the branches. The North British Executive would be specially interested in anything affecting pharmacy in Scotland and would make a report to the Council in due course.

Education Plans

The Council's proposals on pharmaceutical education and examination marked another advance towards a high academic standard of training. The far-reaching proposals had been the subject of much criticism. There would be an increased standard for the entrance examination after March 1, 1948, a higher standard of intermediate examination, and a lengthened course for the final examination. It was anticipated that the training for the Chemist and Druggist examination would co prise a two years' course merging into standard of the Pharmaceutical Chem examination. It was intended finally extend the course to three years. The t "Chemist and Druggist" would be ab ished and all graduates would beco Pharmaceutical Chemists.

Persons registered as students bef March 1, 1948, continued the chairm would be allowed to qualify under pres conditions, subject to a time limit. Af Christmas 1952 the lengthened curricul would come into operation. He understo the full scheme would be explained at Branch Representatives' meeting at T quay, but no discussion would be allow One redeeming concession was the prom that the whole situation would be review before 1950. A move to reduce, from t years to one year, the minimum period practical training, if taken subsequent to t final course, would not impress pharmaci in Scotland, where a three or four yea apprenticeship was usual. The registrati of shops, hospitals, etc., for the training pupils was a step in the right direction. T chairman said that he himself believed th no academic training could equal a go apprenticeship.

National Health Service

The National Health Service was one the greatest social measures of the age a the pharmacist would play a promine part in it. The Act for England and Wal had been published for some time. Clo collaboration with England and Wales, e pecially in fundamental principles, h been maintained through the Joint Comm tee on a National Pharmaceutical Servi which was composed of representatives the Pharmaceutical Society, the Nation Pharmaceutical Union, the Pharmaceutic Standing Committee, the Scottish Pharm ceutical Federation and other bodies.

The National Health Service (Scotlan Act had just been published and even might now be expected to move more rapi ly. The Pharmaceutical Standing Con mittee had put in a great amount of wo in connection with the Bill, but there w still much to be done. Mr. Murray w confident that, under the guidance of M Bennett, the committee and subcommitte would carry through their labours to a su cessful finish. The Executive would b kept in close touch with all developmen in the new service.

crutineers' Report

The scrutineers' report was then pre-ented. Of forty-seven members who had een nominated for election to the North ritish Executive, thirty-three had accepted ee *C. & D.*, June 14, p. 672). 3,069 vot-ng papers were issued, and 597 sets of otes were recorded.

The result of the election was as follows:

Bennett, F. W. M.	405
Drummond, C. G.	372
Anderson, J.	361
Culbert, W. S.	337
Gilmour, A. B.	336
Guthrie, T.	332
Mackenzie, T.	330
Coutts, C.	312
Macdonald, J. B.	290
Lamb, G. T.	287
Beattie, W. A.	283
Cowie, R. J.	276
McAdam, R.	269
Fraser, E.	260
Tainsh, J. H.	245
Macfarlane, C. W.	241
Miller, T. C.	241
Thomas, H. T.	238

The above were declared elected.

Murray, A.	229
Hedderwick, G.	226
Whitelaw, R. S.	224
Mair, W.	221
Loudon, T.	205
Sherriffs, R. N.	204
Robertson, A.	181
Carmichael, W. L.	171
Moncur, D. A. R.	166
Eadie, J.	166
Clark, J. S.	165
Hughan, S.	115
Baillie, F.	111
Walker, J.	94
Williamson, J. M.	94

Mrs. J. K. Irvine (president of the Pharmaceutical Society), Mr. H. C. Shaw (vice-president) and Mr. A. A. Meldrum were declared *ex officio* members of the Executive.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

TRIBUTES to the late Mr. J. W. Gray, J.P. president of the Pharmaceutical Society of Northern Ireland) were paid at the June meeting of the Council held in Londonderry on June 19. MR. JOHN MCGREGOR (vice-president), who was in the chair, said the Council had lost one of its most esteemed and valued members; their loss was shared by the city of Armagh, of which Mr. Gray had been one of the most prominent and useful citizens. It was the first time in the history of the Society that death had removed a president in his year of office; the Council would miss the wise counsel of his leadership. During his faithful service on the Council, the country members had always been Mr. Gray's first consideration; he would be remembered by them with affection.

The Council stood in silence as a tribute and it was directed that a letter of sympathy should be sent to Mrs. Gray.

Present at the meeting were Messrs. H. H. Cowzer (treasurer), C. Abernethy, James McDowell, Walter C. Tate, P. R. W. Shinner, W. H. Boyd, H. W. Gamble, H. F. Moore and J. Glendinning. Apologies for absence were received from Messrs. F. R. Moore, J. P., and J. Irwin.

A letter was received from the Principal of the Londonderry Technical College, thanking the Society for its donation towards the cost of equipment for pharmaceutical classes at the college.

Poisons Amendments

The Council had before it a letter from the Ministry of Home Affairs regarding the amending of the Medicines, Pharmacy and Poisons Act, Northern Ireland, 1945, and the Regulations, S. R. & O. (Northern Ireland), 1946, No. 59. On the motion of MR. COWZER, seconded by MR. MCDOWELL, the following resolutions were passed: "That the Third Schedule (Poisons) to the Act should be amended by adding after '2 Thormacil' the words 'its Alkyl derivatives'" and "that the Fourth Schedule should be amended by deleting from Group A after the words 'tinctures of ergot' the words 'and all substances containing the active principles of ergot,' and from Group C, after the words 'tinctures of ergot,' the words 'and all substances containing the active principles of ergot.'"

An application for registration as an apprentice was refused on the ground that the applicant had not passed one of the accepted preliminary examinations.

The report of the Education Committee was adopted on the motion of Messrs. MCDOWELL and BOYD, and the report of the Finance Committee on the motion of Messrs. COWZER and MOORE.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantit of standard quality. Prices of crude drugs and essential oils vary as to brand or gra

28 Essex Street, W.C.2, July 9

" STAGGERED " holidays, possibly, are adding themselves to short supplies as a cause of the prevalent very quiet conditions on the London chemical, drug and essential oil markets. In PHARMACEUTICAL CHEMICALS, prices are generally steady. BROMIDES are at the recent advance by one penny per lb. The new prices of CREAM OF TARTAR announced recently are steady, and the new schedules of prices for MAGNESIUM compounds given last week are unchanged.

Crude Drugs

Price changes among the CRUDE DRUGS have been few. BENZOIN prices at the source recovered after a slight decline; fair stocks are held in London. Chinese CANTHARIDES on the London market is practically exhausted. No new crop ERGOT quotations are yet to hand; prices given for spot may be taken as easy. EUPHORBIUM is at a rather firmer quotation than that recently given. Second-quality GINGER is a little firmer. The Indian HENBANE LEAF of mediocre quality recently available in London is believed exhausted, but there is fair-testing *H. niger* on hand. MENTHOL, Brazilian, is easier, both spot and forward; the Chinese position is unchanged. Fair inquiry continues for high-grade RHUBARB, but none is on offer. The forward price quoted for Canadian SENEGA ROOT is, of course, duty free. Some varieties of WAXES are easier on the week.

Essential Oils

The general situation in ESSENTIAL OILS, though there are few actual price changes, is inclined easy, with lower quotations recorded for CASSIA, JUNIPER BERRY (imported), LAVENDER, LEMONGRASS, PALMAROSA and PATCHOULI. The quiet conditions of the chemicals and drugs markets are equally in evidence in this section.

U.S. Drug and Chemical Report

New York, July 4

THE output of the U.S. chemical industry remains insufficient to meet demand, despite continued high-level operations. The report for June issued by the Department of Commerce reveals that supplies of cyclic crudes, soda ash, caustic soda, salt-cake and other basic items are in particularly short supply, and efforts to import scarce materials from European countries have met with little success. A slight improvement has been noted in the GLYCERIN supply situation, and for the first time in many years stocks are stated to exceed demand. Official estimates place stocks held at the end of May at 50,000,000 lb., an increase of 3,000,000 over the April figure. Glycerin producti in the United States during the first fo months of 1947 reached a record figure 60,000,000 lb., which is almost 25 per ce above the same period of 1946, according a representative of the Glycerin Produce Association. The good supply situati although resulting in price reductions of much as 10¾ cents per lb., is considered trade circles to be only temporary, si major consumers are expected to be in t market again by August. Demand in wo markets continues strong. The new ba for refined glycerin is 29¼ cents per l tank-cars New York, with car-lots at 2 cents. MENTHOL prices have remain stable. According to unconfirmed tra reports, the U.S. Commercial Co. receiv no bids for Japanese menthol offered by t company at around $7.24 per lb., f.o Japan, at the end of June. It is believ that supplies will become really tight in t autumn, when major consumers st covering winter requirements. Trade circl then expect an increase to $9 per Production of heavy chemicals is hamper by the coal strike, and prices show a cided stronger tone. July production of co chemicals is expected to fall below the Ju figure.

Fertilisers

One of the large producers of AMMONIU SULPHATE, who refrained from quoting fix prices for the coming fertiliser year, e plained that prices will be subject to tho prevailing at the time of shipment. upward movement in prices is expect One large producer has advanced his pri for AMMONIUM CARBONATE in car-lots by cents to $5.50. Reports from the ESSENTI OILS market reveal that the supply situ tion is improving. Owing to high pric buyers prefer to keep stocks low; the other hand, holders tend to redu stocks. Small declines occurred in pric of ANISE and NUTMEG oils at the end of Jun whereas prices for BERGAMOT and LEMO oils advanced, with lemon oil, Californi quoted at $3.25-$3.60 per lb. CEDARWO was quoted at $0.75-$1.10. Imports essential oils continued to be encouragin and forty-six drums of Russian PINE-NEEDL OIL arrived at the end of June. With t new crop of medicinal drugs at hand, son sellers are tending to offer at lower price but the trend is not considered likely to b come general since overall prices are on t low side. Prices for ARNICA FLOWER BELLADONNA ROOT, ERGOT and SENEGA RO moved downward, with arnica flower quot at $2-$2.10 during the week ended June 2 against quotations of $2-$2.30 in the prece ing week.

Pharmaceutical Chemicals

AMPHETAMINE.—Steady. Prices for the BASE and SULPHATE are from 150s. to 170s. per lb., as to quantity.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 38s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BISMUTH SALTS.—Makers' quotation for CARBONATE in 1-cwt. lots is at 14s. per lb. Schedule rates for smaller quantities are from 15s. 8½d. per lb. upwards. CITRATE is 14., SALICYLATE 1s. 4d., and SUBNITRATE 1s. 7d. per lb. below the above prices; SUBGALLATE is 2s. more than the carbonate.

BORAX. — Makers' prices are: B.P. quality, granulated, £38 per ton; crystal, £40; powder, £39 10s. Commercial grades, £3 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. Terms quoted do not apply to Northern Ireland.

COCAINE.—The current schedule is as follows: ALKALOID, B.P., ¼ oz., 50s. 10d. per oz.; ½ oz., 47s. 9d.; 1 oz., 46s. 2d.; 2 oz., 44s. 11d.; 4 oz., 44s.; 8 oz., 43s. 5d.; 9 oz. and more but under 16 oz., 41s. 7d.; 16 oz. but under 25 oz., 40s. 4d.; 25 oz. and over, 39s. 1d. HYDROCHLORIDE, B.P., ¼ oz., 47s. 3d.; ½ oz., 44s. 2d.; 1 oz., 42s. 7d.; 2 oz., 41s. 6d.; 4 oz., 40s. 7d.; 8 oz., 40s.; 9 oz. and more but under 16 oz., 38s.; 16 oz. but under 25 oz., 36s. 10d.; 25 oz. and over, 35s. 8d.

GUAIACOLS.—In fair supply. Liquid is quoted at 14s. 6d. to 16s. per lb.; crystal and carbonate, 14s. to 15s. per lb., according to quantity.

HYPOPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 6s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 6s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. HYPOPHOSPHOROUS ACID in quantities of 6 Winchester quarts, is 6s. 2d. per lb.

MANDELIC ACID.—Current prices are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

PANCREATIN.—Price of B.P. material is from 13s. 6d. upwards, as to quantity.

PARALDEHYDE.—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 1 carboy, 1s. 6d.; 24 Winchester quarts, 1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

PHENACETIN.—In limited supply. Small quantities would be worth 4s. 6d. per lb.

POTASSIUM PERMANGANATE.—Prices are unchanged and are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5-cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms, net, carriage paid to nearest station, containers extra and returnable.

RESORCIN.—In short supply. Current prices are at from 10s. to 12s. 6d. per lb., according to quantity.

ROCHELLE SALT.—1-cwt. lots are quoted at 202s. 6d. SEIDLITZ POWDER is at 156s. 3d. per cwt. for ordinary strength; extra strong is 168s. 9d., and double strength 175s. 9d. per cwt.

SALICYLATES.—Makers' prices per lb. (containers in brackets) for SODIUM SALICYLATE, current in the home market, are as follows: 28 lb. and under 1 cwt., 3s 2d. (1-lb.); 3s. 1d. (2-lb.); 3s. 0½d. (4-lb.); 2s. 11½d. (7-lb.); 2s. 11d. (14-lb.); 2s. 10d. (28-lb.). Net one month.

TEREBENE.—Rates per lb. are as follows: Carboys, 3s. 9d.; 24 Winchester quarts, 3s. 10½d.; 12, 4s. 1½d.; 6, 4s. 5d.

THEOBROMINE.—In short supply. Makers' prices per lb. are as follows: ALKALOID, from 39s. 6d. to 43s. 6d., according to quantity; CALCIUM SALICYLATE and SODIUM SALICYLATE, from 22s. 3d. to 26s. 3d.; SODIUM BENZOATE, from 24s. 9d. to 27s. 9d.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 2s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb.

Crude Drugs

AGAR.—Japanese strip in original packages is still available at 18s. 8d. per lb., plus 28s. 6d. per bale of 100 lb.

ALOES.—Curaçao, on the spot, is quoted at prices from 240s. per cwt.; forward quotations, from 215s. to 220s., c.i.f. Socotrine, spot, steady at 150s. to 190s. per cwt., as to quality. Cape, in boxes, for shipment, quoted at 175s., c.i.f.; spot, available at 195s. per cwt.

BALSAMS.—*Canada*, spot, rather scarce, at 15s. per lb.; Parà *Copaiba*, spot, quoted at from 8s. 3d. to 8s. 6d. per lb., according to seller, for soluble, and 7s. 3d. for insoluble. *Peru* remains easy at 7s. 3d. per lb., duty paid. *Tolu*, unchanged at 18s. per lb., spot.

BENZOIN.—Fair stocks of Sumatra are available on the spot at from £17 10s. to £21 per cwt., according to quality.

CAMPHOR.—The currency exchange position is responsible for continued firm prices. In fact, an inquiry for a substantial quantity failed to produce an offer. Chinese tablets (¼-oz.), quoted at 11s. 3d. to 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude, 93-95 per cent., 8s. per lb.

CANTHARIDES.—Chinese is in very short supply at 15s. per lb., spot.

CARDAMOMS.—Quiet and steady, with prices from the source showing a tendency to harden on account of monsoon conditions. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, is at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

CASCARA SAGRADA.—Quotations for 1946 peel are easier at around 260s., duty paid; American new-crop, for shipment, rather firmer, but there are still sellers at 200s. to 210s., landed and duty paid.

CHILLIES.—Mombasa, quoted at 165s. per cwt., spot; Nigerian, 135s. to 140s.; Japanese-type, 190s. to 200s.

ERGOT.—Spot quotations are at 5s. per lb.; forward, 4s. 6d., c.i.f. No quotations are yet to hand for new-crop material.

EUPHORBIUM.—Firmer; spot quotations are in the region of 85s. to 90s. per cwt.

GINGER.—Easier. Jamaica No. 1, quoted at 117s. 6d. per cwt., spot; No. 2, 105s.; No. 3, 97s. 6d. Sierra Leone, easier at 50s. to 55s., spot.

HENBANE.—Fair-testing grade is available in London at 4s. 6d. per lb.

HYDRASTIS.—Firm. Spot quotations are at around 60s. per lb.

IPECACUANHA.—Dealings have again been negligible, and the spot prices are decidedly easier. Nicaraguan root is quoted at 26s. to 27s. per lb. Shipment is again easier at 20s. 6d. per lb., c.i.f.

LOBELIA.—Good inquiry is reported by dealers at prices unchanged from the previous quotation of 6s. per lb.

MACE.—West Indian pale, spot, quoted at 7s. to 7s. 6d. per lb.

MENTHOL.—The price to consumers of Brazil is unchanged at around 44s. to 45s. per lb., duty paid, according to holder; forward, 38s. to 39s., c.i.f. Business has been done in Chinese, in cases, unchanged at around 50s., duty paid, with still no forward offers.

MERCURY. — Spot quotations are at £17 3s. 6d. per flask, ex warehouse; for shipment, £16 12s. 6d., c.i.f.

NUTMEG.—Quotations for West Indian 80's are a little easier at 2s. 9d., spot. Unassorted, 2s. 3d.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochin, scarce, 42s. 6d. to 45s., spot, as to seller.

PEPPER. — Indian black, whole, 2s. to 2s. 2d. per lb., spot; ground, 2s. 2d. to 2s. 4d. White, whole, unquoted; ground, 3s. 10d. to 4s., spot.

PIMENTO.—Spot quotations are steady at 1s. 1¼d. per lb.

RHUBARB.—Spot quotations for Chinese rough round of fair to good fracture are at from 6s. to 8s. per lb.; forward, from 5s. to 7s., c.i.f. There are still fair spot stocks of slightly weevily quality at 4s. 9d. to 5s. 6d. Inquiry for Shensi and Canton grades continues, but no offers are forthcoming. French rhapontica is quoted at 2s. per l spot.

SEEDS.—The market remains quiet, b several changes have been report ANISE.—Cyprus, 2s. 3d. per lb., spot, Lo don or Liverpool. CARAWAY. — Dut quoted at 1s. 2½d. to 1s. 3. per lb., du paid. CELERY.—Indian, 1s. 5d. per l spot, London or Liverpool. CORIANDER. Spot, Morocco, offered at 40s. per cwt., du paid. Argentine, in Liverpool, quoted 45s. per cwt., duty paid. English, nomin at 65s. to 70s. per cwt. Shipmen Morocco, new-crop, 45s. per cwt., c.i London, for July - August shipme CUMIN.—Spot, Indian, 230s. per cwt., wharf, Liverpool or London. Cyprus, 23 per cwt., ex wharf, London. DILL.- Indian, 40s. per cwt., spot, London, a 37s. 6d. per cwt., Liverpool. FENNEL.- Indian, offered at 97s. 6d. per cwt., Live pool; 100s. per cwt. quoted, spot, Londo FENUGREEK.—Indian, 42s. 6d. quoted, spo Liverpool. Very little to be had on t spot in London; 47s. 6d. per cwt. is no quoted.

SENEGA.—A small amount of business reported done at 11s. 6d. per lb., spo Canadian, from the source, is offered 9s. 6d., c.i.f., and the material is, of cours duty free.

SENNA.—Tinnevelly leaves, spot, No. 1s. 2d.; No. 2, 10½d.; No. 3, 9d. to 9½d.; N 4, 8½d. Tinnevelly pods, hand-picked, 10½ to 1s. 4d.; manufacturing, 6d. to 6½ Alexandrian pods, hand-picked, spot, fro 4s. 3d. to 4s. 9d., according to quality medium, 2s. 9d.; manufacturing, 1s. 9d. t 2s. per lb.

SHELLAC.—F.O.T.N. pure is again easie at 250s., ex warehouse London; F. Standard No. 1 is quoted at 257s. 6d.; lemo No. 1 is at 280s.; lemon No. 2, 275s.; A. Garnet, 350s., nominal; buttonlac, 335s.

TRAGACANTH.—Selected ribbon is quote at £155 per cwt.; other grades of white rib bon are available at from £120 to £125 pe cwt. Prices of lower grades are as follows Pale leaf, £60 to £80; amber leaf, £35 t £55; red leaf, £17 to £25; hoggy, £12 to £15

WAXES.—Dar-es-Salaam BEES' easier o the spot at 350s. per cwt., spot; shipment i at 340s., c.i.f. Lindi, spot, a shade easier a 342s. 6d.; forward, 332s. 6d., c.i.f. Shipmen quotations for Benguela is at 320s., c.i.f CANDELILLA. — Spot, quoted at 420s per cwt.; forward, 400s., c.i.f. CARNAUBA —Fatty, spot, easier at 650s. per cwt. afloat, 625s., c.i.f., for shipment, 575s., c.i.f. Prime yellow is easier at 850s., spot; afloat, 770s.; for shipment, 720s. Medium yellow, spot, 820s.; for shipment, 700s., c.i.f. MONTAN.—Reibeck, steady at 390s. per cwt., spot. Czechoslovak crude, easier at 330s., spot. OURICURI.—5 per cent. for shipment, 340s. per cwt., c.i.f.; 7 per cent., spot, 380s.; 2 per cent., quoted forward at 350s., c.i.f.; some 2.2 per cent. material previously available on the spot has been cleared.

Essential and Expressed Oils

ALMOND.—B.P. sweet is firmly held at 8s. o 9s. per lb., according to quantity.

BAY.—Spot quotations for West Indian re easier at 8s. to 9s. per lb., according to uantity.

CASSIA.—Spot quotations are a shade asier at from 17s. to 18s. 6d. per lb., as to uantity.

CINNAMON LEAF.—Quotations are at from 1s. 6d. to 13s. 6d. per lb., according to uantity.

CITRONELLA.—Ceylon, on the spot, is vailable at prices from 7s. to 9s. per lb., as o quantity.

CLOVE.—English-distilled from buds is uoted at 11s. 6d. to 12s. per lb., according o quantity.

CORIANDER. — Very scarce. English-istilled oil is available at 250s. per lb.

GINGER.—Quotations range from 75s. to 25s. per lb., according to quality and eller.

GUAIACWOOD.—Quoted at 16s. to 19s. per b., spot, according to quantity and seller.

JUNIPER BERRY.—English-distilled, from Iuropean berries, is quoted at 125s. to 135s. er lb. Imported oil can be obtained at rices from 32s. 6d. to 37s. 6d. per lb.

LAVENDER.—French (38 to 40 per cent. sters) is easier at 45s. to 47s. 6d. per lb. Spanish (spike) is quoted at 11s. 6d. to 2s. 6d. per lb., spot.

LAVANDIN.—Spot quotations are from 1s. 6d. to 15s. 6d. per lb., according to eller.

LEMONGRASS.—Cochin is quoted at from 5s. 5d. per lb., spot.

LIME.—West-Indian distilled oil is quoted t 35s. per lb., spot.

NUTMEG.—English-distilled oil is easier t 45s. to 55s. per lb., spot; West-Indian istilled, to come forward, 42s. 6d. to 45s. er lb.

PALMAROSA.—Spot quotations are at from 2s. 6d. to 37s. 6d. per lb., according to eller and quantity.

PATCHOULI.—Seychelles, spot, easier at 0s. to 90s.; to come forward, 80s. per lb.

PIMENTO BERRY.—English-distilled oil is uoted at 47s. 6d. to 57s. 6d. per lb., accord-ng to quantity and seller.

ROSEMARY.—Spanish is quoted at 9s. to 1s. per lb., according to seller and quantity.

SANDALWOOD.—English-distilled is quoted t 90s. to 95s. per lb., according to quantity.

SASSAFRAS.—Brazil is quoted at 5s. 6d. o 6s. per lb., spot.

THYME. — Red oil (40-42 per cent. henols) is at 13s. 6d. to 16s. per lb.; white il is quoted at 17s. to 18s. 6d. per lb., spot.

VETIVERT.—Java is quoted at 135s. per b., on the spot; Bourbon is at 180s.

YLANG YLANG.—Scarce. Quotations are n the region of 100s. per lb.

A PHARMACIST'S ANTHOLOGY

"ANSWER to your names, gentlemen, that you may be sworn," said the gentleman in black. "Richard Upwitch." "Here," said the greengrocer. "Thomas Groffin." "Here," said the chemist. "Take the book, gentlemen. You shall well and truly try—"

"I beg this court's pardon," said the chemist, who was a tall, thin, yellow-visaged man, "but I hope this court will excuse my attendance."

"On what grounds, sir?" said Mr. Justice Stareleigh.

"I have no assistant, my lord," said the chemist.

"I can't help that, sir," replied Mr. Justice Stareleigh. "You should hire one."

"I can't afford it, my lord," rejoined the chemist.

"Then you ought to be able to afford it, sir," said the judge, reddening; for Mr. Justice Stareleigh's temper bordered on the irritable, and brooked not contradiction.

"I know I *ought* to do, if I got on as well as I deserved, but I don't, my lord," answered the chemist.

"Swear the gentlemen," said the judge, peremptorily.

The officer had got no further than the "You shall well and truly try," when he was again interrupted by the chemist.

"I am to be sworn, my lord, am I?" said the chemist.

"Certainly, sir," replied the testy little judge.

"Very well, my lord," replied the chemist, in a resigned manner. "Then there'll be murder before this trial's over; that's all. Swear me, if you please, sir"; and sworn the chemist was before the judge could find words to utter.

"I merely wanted to observe, my lord," said the chemist, taking his seat with great deliberation, "that I've left nobody but an errand-boy in my shop. He is a very nice boy, my lord, but he is not acquainted with drugs; and I know that the prevailing impression on his mind is that Epsom salts means oxalic acid; and syrup of senna, laudanum. That's all, my lord." With this the tall chemist composed himself into a comfortable attitude, and, assuming a pleasant expression of countenance, appeared to have prepared himself for the worst.

From the "Pickwick Papers," by Charles Dickens.

TRADE MARKS

(*From "The Trade Marks Journal," June 18*)

"CLARCEL"; for raw or partly prepared vegetable and mineral substances, and chemical substances, all for filtering and purifying liquids (1). By Carbonisation et Charbons Actifs, 50 bis Rue de Lisbonne, Paris (8), France. 636,004 (Associated).

"UNIOCHROME"; for chemical compounds in the form of solutions and of wax-like materials for use in preventing deposition during electroplating processes (1). By United Chromium Incorporated, 51 East 42nd Street, New York 17, N.Y., U.S.A. 641,443.

"ELDENA"; for cosmetic preparations (not being toilet preparations) (3). By Leslie D. Houghton, 500 Prescot Road, Liverpool, 13. 646,451.

"CHEMIA" superimposed on blue and white circle; for essential oils (3). By Antonio Lopez Jimenez, Calle Martinez Campos 15, Almeria, Spain. 646,716.

"ELDONIA"; for toilet preparations (not medicated) (3). By Hall, Foster & Co., Ltd., Peel Buildings, Temple Street, Newcastle-upon-Tyne, 1. 646,903.

"MALCOVENE"; for preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations and soaps (3). By MacLachlan, Clark & Co., Ltd., 122 Earl Haig Road, Hillington, Glasgow, S.W.2. 647,474 (Associated).

"BRIGSOL" and "BRIGSOFF"; for preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps and hair lotions (3). By James Briggs & Sons, Lion Oil Works, Market Street, Blackley, Manchester, 9. 647,758-59 (Associated).

"PYRENE" in distinctive lettering; for insecticides; preparations for destroying weeds; preparations for destroying vermin; and fumigating preparations (5). By the Pyrene Co., Ltd., Great West Road, Brentford, Middlesex. 643,087.

"CHEMIA" superimposed on blue and white circle; for medicines for internal use (5). By Antonio Lopez Jimenez, Calle Martinez Campos 15, Almeria, Spain. B646,097.

"DURATONE"; for medicated preparations (5). By Leslie Gaynor Hellens, North Hill Pharmacy, North Hill, Plymouth. 646,770.

"SUPERSECT"; for deodorants, bactericides, insecticides and preparations for destroying vermin (5). By G. H. Wood & Co., Ltd., 323 Keele Street, Toronto, York, Ontario, Canada. 646,800.

"STANESE"; for pharmaceutical preparations and substances (5). By John Charles, Ltd., Duke Street House, 415 Oxford Street, London, W.1. 647,462.

"FIAK"; for insecticides, germicides and fungicides (5). By Stanco Incorporated, 100 West 10th Street, Wilmington, Delaware, U.S.A. B647,051.

"D.F.L." and device of teeth and tooth pick; for preparations and substances for use in dentistry (5). By Dental Fillings, Ltd., 121 Camden High Street, London, N.W.1. B646,151.

"BRIGSAN" and "BRIGSECT"; for pharmaceutical preparations for human and veterinary use; sanitary substances; disinfectants and preparations for killing weeds and destroying vermin (5). By James Briggs & Sons, Lion Oil Works, Market Street, Blackley, Manchester, 9. 647,760-61 (Associated).

"TELAGUARD"; for electrical apparatus and instr ments included in this Class; scientific, nautic cinematographic, signalling, radio and teachi apparatus and instruments; and talking machir (9). By Teleguard Radio Equipments, 37 Hatc etts Drive, Haslemere, Surrey. 643,859.

"ANASTAR"; for photographic, cinematograp and optical apparatus (9). By Kodak, Lt Kodak House, Kingsway, London, W.C. 647,768.

"ORTHO"; for appliances (being surgical instr ments) for administering vaginal creams or jelli (10). By Johnson & Johnson (Great Britai Ltd., 603 Bath Road, Slough, Bucks. B645,7 (Associated).

"UBEECO" and "UBIQUE" and device of sto carrying a baby (word Ubeeco disclaimed); f infants' baths made of plastics (11). By Upt Basket Co., Ltd., Wellington Works, Wellingt Road, Forest Gate, London, E.7. 643,471 (Ass ciated).

(*From "The Trade Marks Journal," June 25*)

"NEOCUPAN"; for chemical products being fixi agents for use in the dyeing industry (1). Ciba, Ltd., 141-227 Klybeckstrasse, Basle, Switze land. 645,062.

"CELLOGEN"; for toilet cream (not medicated) (3 By Lehn & Fink Products Corporation, 1 Bloomfield Avenue, Bloomfield, New Jerse U.S.A. 645,479.

"CRYSTOPLAST"; for powder compacts (3). Kigu, Ltd., Waldo Works, Waldo Road, Londo N.W.10. 646,626.

"A.M." in octagonal design; for chemical co pounds for distributing printing inks, and deve opers for printing plates (1).; for ink removi preparations (3). By Addressograph-Multigrap Ltd., 50 Oxgate Lane, Cricklewood, Londo N.W.2. B646,431-33.

"GLYSTREL"; for chemical products for use industry (1). By Bayer Products, Ltd., Afri House, Kingsway, London, W.C.2. 646,875.

"NESTLE"; for sachets, pads and preparations f use in waving the hair, shampoos, hair wash (rinses) and hair lotions (3); for hair dressi appliances and apparatus (8). By C. Nestlé Co., Ltd., Branscombe, near Seaton, Devo 629,474-76 (Associated).

COMING EVENTS

Thursday, July 17

PHARMACEUTICAL COMMITTEES, Conway Hall, Re Lion Square, London, W.C.1, at 10.30 a.m Conference of representatives.

NATIONAL PHARMACEUTICAL UNION, Conway Hal Red Lion Square, London, W.C.1, at 2.30 p.m Conference of branch representatives.

Saturday, July 19

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS, Hatc End, Pinner, Middlesex, at 3 p.m. Speech day.

ABERDARE AND MERTHYR BRANCH, PHARMACEUTICA SOCIETY, is holding its third open summer golf mee ing at Aberdare Golf Club, Abernant, Aberdare, o Thursday, August 14. Entry forms may be obtaine from Mr. H. Noel Thomas (secretary), 25 Whi combe Street, Aberdare, Glams.

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Page 187

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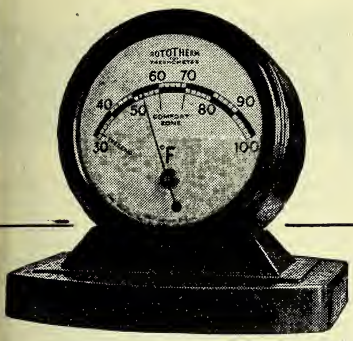

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and at 87 St. Vincent Street, Glasgow, C.2

Pitchfords

BOTTLES & JARS *for Sale*

1 dram, 2 dram and 4 dram ***PERFUME BOTTLES***
3 dram ***NAIL VARNISH STYLE BOTTLES***
1-oz. and 2-oz. ***FANCY BOTTLES*** **(All the above with Black Plastic Screw Caps).**

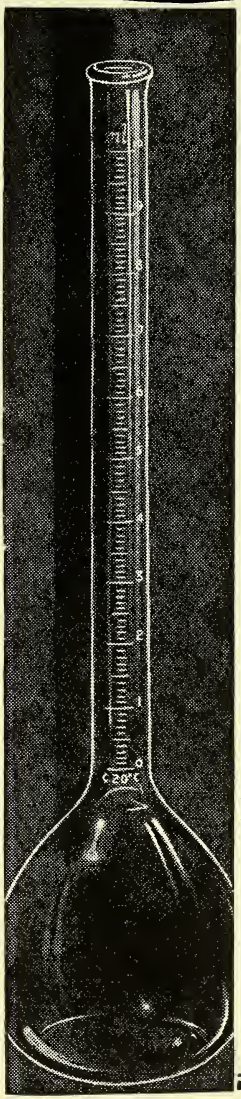
1-oz. and 2-oz. ***SQUAT JARS*** **with Enamelled Metal Screw Caps.**

If you require any of the above, kindly let us have your enquiries by return, stating quantities wanted. We shall also be glad if you will indicate to us your requirements of any other kinds of Bottles and Jars.

RELIANCE TRADING COMPANY

13 New College Parade, Finchley Road, London, N.W.3.

ACCURACY IN CALIBRATION



THE calibrating of PYREX Brand Graduated Glassware is an operation ensuring accuracy within very fine limits. The system employed is simple but effective. In this Cassia flask, the neck is filled with water, and the level marked with a hair-line. The flask is then waxed and fixed on the graduating machine; the machine is set, and the intermediate calibrations are marked off. The markings are then etched with acid and filled in with white enamel.

For everyday laboratory work PYREX Brand Glassware is graduated to **N.P.L. Class B** Standard, but for more meticulous analysis or intricate research work, **N.P.L. Class A** can be supplied at the appropriate extra cost.

Ask for PYREX Brand and see that you get it!

PYREX
Regd. Trade Mark Brand

GRADUATED GLASSWARE

made by
James A. Jobling & Co. Ltd., Wear Glass Works, Sunderland.

G 53 C

Chemists and department stores already know the popularity of Holly-Pax —and sales are rocketing with the increasing availability of supplies. Holly-Pax still offers by far the best tampon value on the market. In addition, retailers' profits are boosted by the new Bonus, which is to operate for a limited period only.

Special
BONUS OFFER
(*for a limited period only*)

Every dozen packets of Holly-Pax ordered and delivered to retailers will be invoiced as 11 only!

In order to stimulate consumer-interest and influence new regular customers, advertising is being conducted in the women's and film magazines, featuring the advantages of Holly-Pax.

Attractive display material will also be available shortly, offering retailers 'on-the-spot' salesmanship for Holly-Pax. Watch for it.

Sole distributors :

FASSETT & JOHNSON LTD
86, Clerkenwell Road, London, E.C.1

SURGICAL DRESSINGS

Wholesale Only

Enquiries are invited for any of the follo manufactures—

Cotton Wools
Boric Acid Wool
Grey Wool
Gauze and Cotton Tissue
Absorbent Gauze
Boric Acid Gauze
Iodoform Gauze
Mercury and Zinc Cyanide Gauze
Picric Gauze
Ribbon Gauzes
Absorbent Lint
Boric Lint
Picric Lint
W.O.W. Bandages
Crepe Bandages
Domettes
Flannel
Muslin
Triangular Bandages
Fast Edge Bandages
Scandard Dressings
Merchant Ships Dres
Neck Wools
Bacteriological Wool
First Aid Dressings

AWARDED THE CERTIFICATE
THE INSTITUTE OF HYGIENE
IN RESPECT OF
"STERAID"
SURGICAL DRESSING

ROBERT BAILEY & SON, L
SURGICAL DRESSING MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCK
Phone: GREAT MOOR 3006 Grams: "UNDISPUTED," STOC

M. P. S.

Have you ever considered the w of meaning which lies behind t three initial letters? To your cus ers they spell knowledge, relia and service, and they repre hundreds of years of accumu pharmaceutical wisdom.

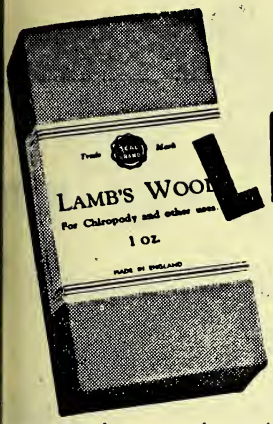
In the same way, the knowledge w lies behind the name of BU WARREN & RIDGLEY is at service. Whatever your difficu concerning surgical and drugg supplies, we can help you.

BURGE WARRE & RIDGLEY LT

45 CITY ROAD, LONDON, E

'Phone: CLErkenwell 1710 & 5371.
'Grams: "Drugsund, Finsquare, London."

Druggists' Sundries · Toilet Requi Packed Pharmaceuticals · Fancy Goods



LAMB'S WOOL

FOR

CHIROPODY

AND OTHER USES

½ oz. - - 3/9 doz. 2 oz. - - 12/- doz.
1 oz. - - 6/9 doz. 4 oz. - 22/6 doz.

Attractively packed in carton with transparent paper wrapping

WHOLESALE TERMS ON APPLICATION

All prices subject to 33⅓% Purchase Tax

MACDONALD & SON LTD.

DAWSON STREET, SALFORD, MANCHESTER, 3.

SURQUALET

TRADE MARK

THE NEW ELECTRIC STERILIZER

Makes the Sterilization and Assembly of Syringes Safe and Foolproof.

PRICE
£5 - 15 - 0

Working Capacity 1 Pint . . . . Boils in 10 Minutes. Overall Dimensions 8¾" High and 4½" Diameter of Base.

SES

SURGICAL EQUIPMENT SUPPLIES LTD
WESTFIELDS ROAD, LONDON, W.3
Name of Local Dealers on request

TAYLOR 238

HERE'S A **CORN** REMEDY YOU CAN'T BEAT

Hobson's Choice removes Corns in 3 to 7 days, it is safe, sure and painless. Backed up by widespread advertising it has become the leading CORN CURE on the market to-day.

Hobson's Choice
FEET PLAISTERS POWDERS

Retail Prices:

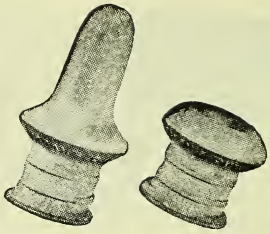
Plaisters - - 2d.
Powders - - 1½d.
Combination Pack - 9d.

HOBSON TRIMBLE CO., LTD.,
UNION HOUSE, LEEDS, 2

Sole distributors for Scotland:
SOUTHERN MANUFACTURING CO., LTD.,
187, St. Vincent Street, Glasgow, C.2.

Ingram's "Omega" TEAT & VALVE

REG. NOS. 841964, 841968



P.A.T.

Made by a special process which gives long life and produces a Teat with a perfect flow. The shape ensures a tight grip of the bottle.

Other Ingram specialiti

"ATALANTA" Air Cushions

"OMEGA" Breast Relievers

"PERFEX" & "SATINETTA" Ener

J. G. INGRAM & SON, LTD.

The London India Rubber Works, HACKNEY WICK, E.9.

PLANNED PARENTHOOD

1. Spermicidally efficient and clean in application.

2. Non-irritant and harmless to health.

3. Does not upset the vaginal pH value.

4. Free from fa substances.

5. Keeps perfec in tropical climat

6. Prescribed tensively by t Medical Professio

GYNOMIN

TRADE MARK

The Scientifically balanced antiseptic and deodorant contraceptive.

RETAILS AT 3/6 PER TUBE OF 12 TABLETS

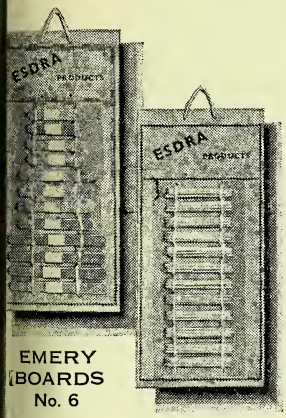
KEEP ADEQUATE STOCKS
OBTAINABLE THROUGH YOUR WHOLESALER
ETHICAL LITERATURE AND DISPLAY MATERIAL

OUR PUBLICI WILL BRING NE CUSTOMERS TO YOUR PHARMAC

COATES & COOPER LTD., NORTHWOOD, MIDDLESEX, ENGLAND

Esdra

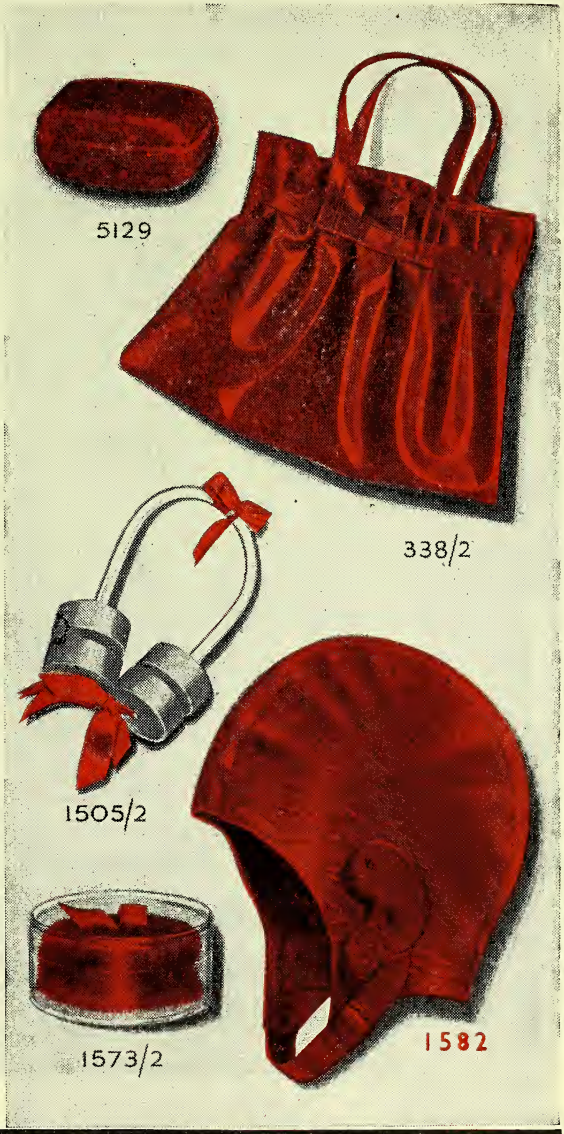
Sundries and Toilet Goods



EMERY BOARDS No. 6

ORANGE STICKS No. 1012

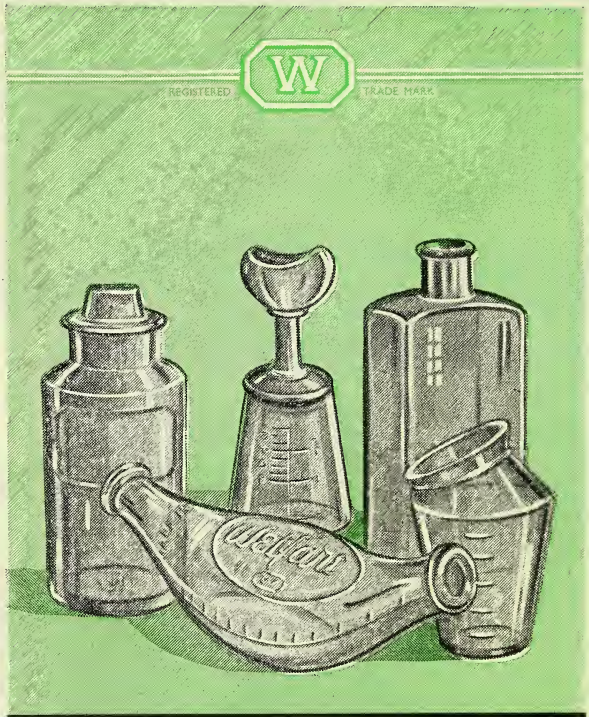
We invite your enquiries



ESDRA PRODUCTS LTD

5-6 Argyll Street, Oxford Circus, London, W. 1.

Telephone, GERrard 8227



WOOD BROS. GLASS CO. LTD.,
Specialists in Glass
BARNSLEY, ESTABLISHED 1828 YORKS.

ACK IN PAPER

for
HYGIENE
ECONOMY
ATTRACTION
MODERNITY

MONO

MONO

CYLINDRICAL OR TAPERED.
SNAP OR SCREW CAPS.

means BUSINESS!

O CONTAINERS LTD., CUMBERLAND AVE., PARK ROYAL, LONDON, N.W.10. Phone: ELGAR 4044 (8 lines)

The Complete Service

WASHED AND STERILIZED READY FOR USE

UGB

CORK MOUTH

FITTED KORKALITE MOULDED CAPS

FITTED ALUMINIUM CAPS

UGB

UNITED GLASS BOTTLE MANUFACTURERS LTD.

8 LEICESTER STREET, W.C.2

Tel.: GERRARD 8611 (15 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON

To
HOUSE-FLIES

GAMMEXANE

ray containing the gamma isomer of benzene hexachloride is a deadly enemy. laboratory tests, all flies which touched paper impregnated with as little as 05% 'Gammexane' died within two hours. Of low toxicity to man and animals, ut to insect pests — by dust, spray or smoke — 'Gammexane'

SPELLS *DEATH*

ICI

G.19

onsult IMPERIAL CHEMICAL INDUSTRIES LIMITED, NOBEL HOUSE, LONDON, S.W.1

NEW PLASTIC SURGICAL DRESSING

FOR years doctors and chemists have felt the need for such a dressing as Plastic Skin. Neat, easily applied, transparent (invisible under a silk stocking or a little powder) flexible and waterproof, it is sterile, powerfully germicidal and analgesic. Because of its high salol content, it *heals* as well as seals.

Originated for use as a dressing after blood transfusions, Plastic Skin is already widely used in hospitals, highly recommended by many surgeons and doctors, and officially "recognised" for panel prescriptions.

As a dressing for cuts and abrasions, small burns, chilblains, mosquito and other insect bites, cracked skin, etc., its many advantages are self-evident.

"Portex" Plastic Skin is now packed in handy tubes (Retail price 1/8 including tax) which give maximum ease of application and prevent any risk of deterioration in stock. Also in larger size bottles. Generous trade terms.

FREE TESTING SAMPLE. Test this interesting new product for yourself. Sample tube gladly sent on application to:
PORTLAND PLASTICS LTD.
6 Victoria Street, London, S.W.1

SEALS *and* HEALS

FORMULA: Phenyl Salicylate gr. xii. Methyl Methacrylate gr. xvii. Resorcinol gr. ii. Eugenol m. i. Chloroform m. x. Volatile Solvents ad 3 ii.

If unable to visit our new departme
write or phone your requiremen

POTTERS
(LONDON) LIMITED

No connection with Wm. Potter & Sons Ltd., of 160 Aldersgate Street, E.C.1

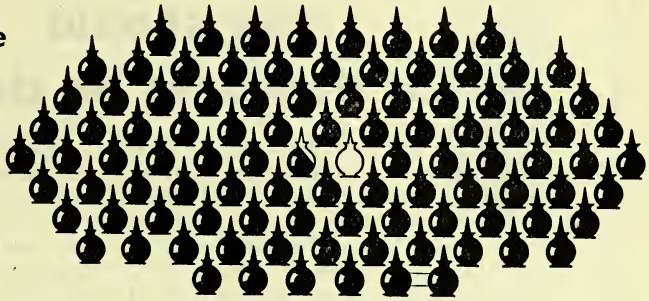
97-99 ST JOHN STREE
CLERKENWELL, LONDON, E.C
Telephone: CLErkenwell 6701

GREATER DEMAND for MODERN DRESSINGS

Elastoplast Trade Survey indicates

SALES-JUMP

as soon as supplies are free



98·9% OF CHEMISTS say demand for elas-c adhesive dressings is either steady or ncreasing. That is one of the results of a rade survey carried out recently for Elasto-last. At a time when supplies are restricted, ith many customers hesitating to ask for randed lines, this figure is a very significant ointer to increased sales in future. Interest n first-aid is growing. More and more eople realise the importance of modern rst-aid supplies in the home.

Remember, Elastoplast is the dressing the doctors recommend—the dressing with extra elasticity, extra adhesion—extra protection and comfort. Elastoplast is the name your customers rely on.

Elastoplast

TRADE MARK

A SMITH & NEPHEW PRODUCT

No Empties No Fulls

Your supplies of squashes and cordials are now strictly related to the number of empty bottles you return. The Soft Drinks Industry has been compelled to make this rule as only negligible numbers of new bottles are being obtained. You, in turn, must insist upon every customer handing in an empty S.D.I. bottle before you supply a full one, otherwise your future supplies of squashes and cordials will be cut. It is regrettable, and repugnant to the manufacturers, but there is no option. *The fact is the empty bottles are not coming back.*

make a fast rule of

BOTTLE FOR BOTTLE

The Soft Drinks Industry (War Time) Assocn. Ltd. S·D·I 42 Upper Grosvenor Street, London, W.1

Cvs—66

How should plastic dentures be cleaned?

To anyone who asks about cleaning dentures it is possible to speak with confidence. Dentures should first be brushed under the tap, and then placed in a solution of STERADENT overnight or whilst dressing. It removes discolorations and accretions, and renders the dentures hygienically clean and pleasant. This treatment has always been satisfactory for vulcanite dentures. We now have the assurance of the I.C.I. makers of 'Kallodent' that STERADENT is equally satisfactory for this brand of Acrylic Resin dentures when used as directed.

Steradent REGD

cleans and sterilises every type of denture

★

STERADENT LIMITED, HULL AND LONDON

All Leading Wholesalers Stock it

TREECE POLISH Co. Ltd., NOTTINGHAM

Applied Before Work

ROZALEX REGD. BRAND

Keeps Hands Clean and Healthy

Temporary Pack — Tins retailing at 2/1d. including Purchase Tax

★ *ALSO ROZALEX OINTMENT IN JARS 2/6 INCLUDING P.T.*

Retail discount 25%

ROZALEX LIMITED

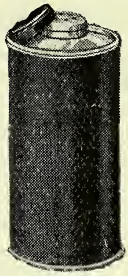
10 Norfolk Street, MANCHESTER, 2

Tinplate screw-top cans with soldered seams, for liquids. Available in four sizes.

Immediate Delivery

We offer immediate delivery of these items from stock. We have always available a wide range of all types of containers in glass, metal, cardboard and plastic and welcome enquiries for regular supplies.

Our expert staff is at your disposal for advice on your packaging problems. Samples sent on request.



Powder spray tins, as illustrated, in four different colours: black, light green, blue, and pink. In various sizes.

No. 1 tablet bottles — white flint, oval and round, and amber oval.

PER CENTA
THE CONTAINER PEOPLE

Plastic push-up lipstick holders. Beautifully finished and available in a variety of colours.

PERCENTA HOUSE, 130/2 TOOLEY STREET, LONDON, S.E.1
'Phone : HOP 0516 (6 lines)

KERSHAW CAMERAS

Space Reserved for Kershaw Advertising as soon as present orders have been executed.

DOWN-POINTING OF bickiepegs PRODUCTS

Reduction in the points value of Bickiepegs Products has now been authorised as listed below and supplies may be obtained from:

MAY, ROBERTS & CO LTD
47 Stamford Hill N.16

Bickiepegs	-	-	7d,	packets	6	points per doz. pkts.
Bickiepegs	-	-	1/1d.	,,	13	,, ,, ,, ,,
Chu-Chus	-	-	1/3d.	,,	34	,, ,, ,, ,,
Toddlers Crusts	-		1/-	,,	22	,, ,, ,, ,,

BICKIEPEGS LTD. Nursery Food Manufacturers, WELWYN GARDEN CITY

B.P.2

THERE IS NOT SUFFICIENT

Beaulah's

FAMOUS MALTED MILK

For all the people who want it.

Our policy therefore is to distribute all available supplies to our Chemist Friends only.

In one popular size only at present ... **2/6**

J. & J. BEAULAH LIMITED
BOSTON • LINCS.

An Old Favourite!

BLAKEY'S MALTED OATMEAL

"Cooks in ONE minute"

10d. PACKETS - **1/10** TINS

Famous Fifty Years
Still Unbeatable
Sells Everywhere
Summer AND *Winter*

ALL ENQUIRIES TO—

BLAKEY'S FOOD CO. LTD.
LINCOLN
TEL. 699

P.A.T.A.

G.S. Tablets

FOR CONSTIPATION AND RHEUMATIC CONDITIONS

Pack	Retail inc P.T.	Trade doz.	Pur. Tax. doz.
50 tablets	1/5	10/-	1/8
110 tablets	2/9	20/-	3/4

From your C.F. Wholesaler or, in case of difficulty, from the manufacturers,

WESTMINSTER LABORATORIES LTD.,
Chalcot Rd., London, N.W.1
Tel.: PRImrose 3395/6/7

e Bronchial months here. Show these able, popularly ced lozenges in their active cartons on ir counter and you l be pleased with the s. The formula is able and the profit good. From your olesaler or direct :—

A tickle in the throat puts a tinkle in the till

DERSON RICHARDS & COMPANY LTD.
EASTCHEAP LONDON, E.C.3

BY THE MAKERS OF

MALTO BAR

SOUND VALUE
GENEROUS DISCOUNTS

Also Peppermint Tablets
Minettes (throat antiseptic pellets)

Wholesale and Retail Enquiries to :

AFFINED BASIC CHEMICALS LTD.

Empire Works, Desborough Road, High Wycombe, Bucks.
Telephone : HIGH WYCOMBE 2266/7/8. (c.)

THERE IS ONLY ONE WINNER

when INSECTS challenge

SECTO Regd. **D.D.T.**

The insecticide that sells on sight and repeats on merit

Made in the Factory that supplied H.M. Government with D.D.T. products during the War

Retail Prices of SECTO D.D.T. are :—

Powder 1/3 2/6 5/6 Liquid 2/- 3/- 6/- 15/-

Usual Trade Profit Margins and Discounts

SECTO CO. LTD., BLACKBURN

RUBBER BATHING CAPS

available for immediate delivery in first-grade natural rubber. Supplied in white, blue, green and rose at 36/- per doz., less 2½% plus Purchase Tax. Send cash with order to :—

POLYTEX PRODUCTS LIMITED

10 Union Court
Old Broad Street, London, EC2
Tel : London Wall 2298/9

MANUFACTURERS HAVE FOR SALE THE FOLLOWING

BOTTLES

1,000 gross New 1 oz. White Flint Screw-Neck Medical Flats with Caps @ 21/6 per gross.

2,000 gross New 2 oz. Medical Flats @ 34/- per gross. Metal Caps @ 3/- per gross extra.

2,000 gross New 4 oz. Screw Neck Medical Flats @ 34/6 per gross, plus 5/6 per gross extra for Bakelite Caps.

1,000 gross New 4 oz. Cork Mouth Medical Flats, slightly tinted Green @ 33/4 per gross.

1,000 gross New 6 oz. Cork Mouth Plain Medical Flats, slightly tinted Green @ 36/8 per gross.

1,000 gross New 8 oz. Cork Mouth Plain Medical Flats, slightly tinted Green @ 162/- per gross.

Please apply Box No. 1/177 C & D Office

SHERLEY'S always make *Regular Customers!*

To be sure of a fair share of the big, egular demand for the Sherley's reparations please order well ahead— or empty shelves can only mean disap- ointment. There is no treasure like a egular customer. He is the mainstay of rofitable trading; a source of valuable ood will. Adequate stocks of Sherley's Dog and Cat Medicines will keep the regulars" happy and turn many a casual" into a good friend.

SHERLEY'S DOG MEDICINES

F. SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E.1

Share in the SUCCESS of the

"EERADE" V3

20 years of deaf aid experience goes along with every "Eerade" V3 . . . the scientific blessing that brings the joy of hearing to thousands, because it is the nearest thing to natural hearing. **The "Eerade" valve set is precision made of best materials by skilled craftsmen.** Its efficiency compares with the largest box type, yet fits into a vest pocket. Learn more of this profitable line . . . write for further particulars and trade terms to—

CITY EERADE CO. (1926)
(Dept. C.D.) 10 Corporation Street, Manchester, 4
Sole Selling Agencies are available in certain towns

MORE THAN A BANDAGE —

Sticks to itself —

— but not to the skin

— NOT A PLASTER

- NO KNOTS · NO PINS
- PLENTY OF GOOD INFORMATIVE ADVERTISING
- ADEQUATE DISPLAY MATERIAL
- GENEROUS TRADE TERMS

PRESTOBAND

THE ANTISEPTIC SELF-ADHESIVE BANDAGE

SOLE DISTRIBUTORS: FASSETT & JOHNSON LTD. 86, CLERKENWELL ROAD, LONDON, E.C.1.

(BAUME DALET PARIS)

B·D

BUNION DRESSING

Evolved by a French physician for the treatment of Bunions, " Baume Dalet " has for many years enjoyed a wide sale on the Continent. Its distribution and manufacture in this country, under the name of B.D. Bunion Dressing, has now been arranged. Through you, we recommend sufferers from Bunions to try the B.D. Bunion Dressing Treatment. This product will give you a steadily increasing turnover. In tubes 3s. 4½d. inclusive of Purchase Tax.

Enquiries are invited.

WILSONS CHEMICAL PRODUCTS, LTD.
18, OLD TOWN, LONDON, S.W.4.

SELLING UNLIMITED!

MORE and more Chemists are getting calls for ANTIPHLOGISTINE for a long list of common everyday conditions

P.A.T.A.

Respiratory: Chest Colds, Bronchia Irritations, Sore Throat due to colds
Home Injuries: Sprains, Strains Muscular Aches and Pains

Four sizes available to meet all demands.
10½ oz., 1 lb., 2 lb., 5 lb.

Antiphlogistine
TRADE MARK

THE DENVER CHEMICAL MFG. CO.
LONDON, N.W.9

NOW AVAILABLE
RHUMUV
BRAND
CAPSULES

This attractive trial show outer contains: 6 x 3/6 Rhumuv Capsules @ 24/- doz. = 12/- + P.Tax 2/- = 14/- 1 only 6/6 @ 44/6 per doz. = 3/8½ + P. Tax 7½d. = 4/4

Total cost—18/4 per carton.

POSTAGE FREE

Rhumuv Capsules give maximum relief from rheumatic pains, headaches, neuralgia, influenza, feverish colds etc.

Simpkins of Sheffield

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's CHLORODYNE

ALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors:
J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

P.A.T.A.

WYETHS

IMPORTANT PRICE ALTERATION

John Wyeth & Brother Limited announce the following alterations in prices which took effect from 1st July, 1947.

	New Price to Public each	Purchase Tax	New Price to Public including Purchase Tax each
'Kaldrox' 6 oz.	2s 6d	4d	2s 10d
'Kaldrox' 12 oz.	3s 10d	6d	4s 4d
'Collyrium' 7 oz.	6s 3d	10d	7s 1d
'Picragol' Pessaries 12's	5s 4d	8d	6s 0d
'Proctoids' 12's	4s 4d	6d	4s 10d
'Vakara'	3s 0d	5d	3s 5d

JOHN WYETH AND BROTHER LIMITED - CLIFTON HOUSE - EUSTON ROAD - LONDON - N.W. 1

STAFFORD MILLER LTD., WELWYN GARDEN CITY, HERTS

ANNOUNCE A NEW BONUS OFFER FOR

ORLEX

The famous compound for restoring colour to grey hair, recently re-introduced to the Trade.

BONUS OFFER

Every retailer who promises to allocate window space to ORLEX will receive one extra packet free of charge with every dozen ordered from this date.

TRADE PRICE PER DOZ. **24/-** PLUS 100% P. TAX

RETAIL PRICE **4/7½** INC. P. TAX

Order from the Sole Distributors

SPLENDOR LTD., NOTTINGHAM.

LINK UP with THIS BIG CAMPAIGN

Vigorous Press and Poster Advertising is putting **VITAL FORCE** over in a big way. Take a share of this profitable business. Let us send Display material and Showcards (in full colour), together with handsome terms. Retails at 3/9d.

MACLENNAN PRODUCTS LTD.
9, MONTRELL ROAD, LONDON, S.W.2.

Profit by Selling—

SUDE
ALEXANDRIAN HAND

SENNA POI

The Ideal Laxative

Packed in attractive three-colour 1 oz. cart
convenient display outers.
AMPLE SUPPLIES AVAILABI
Order from your usual wholesaler.
THE SUDEX SENNA COM
(*Props*: *Matthews & Wilson Ltd.*)
6 and 8 COLE STREET, LONDON,

GENUINE EGYPTIAN HENNA POWI
(Minimum 7lb. Lots)
4/6d. per lb. nett.

LIQUORICE JUICE STICKS
(Minimum 4lb. Lots)
5/3d. per lb. nett.

Both items cash with order, carriage p

PROMPT DELIVERY FROM STOCK

ORDER NOW ! !

The Faylene Manufacturing Compa
15 Queens Court, Lower Briggate, Leed
Telephone 22594

3/- and 5/-
PER BOTTLE

Extensive advertising has created a big customer demand for this grand family tonic. Cash in and get your fair share of this big profitable business.

NO LICENCE REQUIRED.

VIRONITA
THE FAMILY TONIC

VIRONITA IS FAST SELLING AND PROFITABLE

CALTHORPE & COMPANY LIMITED. *Manufacturing Chemists* OSSETT

LACTAGOL

for

EXPECTANT AND NURSING MOTHERS

IS AGAIN

IN FULL SUPPLY

★ *Wholesalers are now fully stocked and can supply your immediate needs on demand*

E. T. PEARSON & CO. LTD. (Sole Selling Agents for LACTAGOL LTD.)
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Aspirin—Bulk and Packed; Bronchial; M Digestive; Sulphur (Orange Flavour,; Soda mi Iodised Throat; Bismuthated Magnesia; S harin, *limited quantities only*, also Health Sa *Keen Prices.* *Samples and Prices writ*
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28 ESSEX STREET, LONDON, W.C.2

JULY 12 1947

ailing restrictions and heavy demand on space necessitate the holding over of a number of ertisements week by week. As normal press days are in abeyance advertisers are advised to send ructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

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ASCOTTS Pharmacies, Ltd., invite applications from pharmacists of outstanding ability who desire to take up posts as permanent branch managers. Salary between £10 and £12 per week plus bonus on profits. Pension scheme. The positions offer sound prospects for advancement to men of the required calibre. Only first class men need apply. Ascotts Pharmacies, Beresford Avenue, Stonebridge Park, N.W.10.

BOOTS the chemists invite applications from qualified assistants, male and female (particularly those who have recently completed their course of study), and from fully trained unqualified assistants under 35 years of age. Applications, stating age, experience, district preferred, etc., to Retail Staff Department, Station Street, Nottingham.

DISPENSER book-keeper required, mixed general practice. Two dispensers employed. Midlands. State particulars. Box 1/317, C. & D. Office.

ENFIELD, North London. Pharmacist required to manage good class family business in Enfield district. Scope for development. Good salary offered to competent man. No living accommodation. Apply 1/207, C. & D. Office.

FOLKESTONE: Hall & King require experienced pharmacist as first assistant. Apply in first instance, with full particulars, to 36 Grosvenor Gardens, N.14. (LAB. 2566).

HEPPELLS — the West End chemists require several sales ladies with experience in perfumery and cosmetics. Please apply: Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1. 'Phone Victoria 2204.

LADY assistant required for herbal department of health stores. Essex coast town. Knowledge of dietetics an advantage. Good prospects for capable person. 43-hour week. Box 1/295, C. & D. Office.

LADY pharmacist required as manageress of a good class West End pharmacy, mainly counter work, congenial post. Also part-time lady pharmacist required. Please apply: Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1. 'Phone Victoria 2204.

LADY dispenser-receptionist wanted for duties at second surgery by firm of South London medical practitioners. No Sunday duty and one half day off per week. Apply in first instance with particulars and salary expected to 42 Streatham Hill, S.W.2.

LEWIS & BURROWS require assistants, qualified or unqualified, pricing stockbooks, period 3/4 months from September. Apply 146 Holborn, E.C.1.

LONDON, E.2 (near City). Assistant, qualified or unqualified, for about three months during the holidays. Give full particulars of experience, age, names of references and salary expected. Apply (letter only), Pharmacist, 35 Sydner Road, Stoke Newington, London, N.16.

MANUFACTURERS of an exceptionally attractive range of specialities have vacancies for 3 representatives. 1, Wales and Herefordshire. 2, Durham, Northumberland, Cumberland, Westmorland. 3, Western Counties, including Hants and Gloucester. Sole agency to right men considered. Applicants, preferably under 40, must have established connections with retail and wholesale chemists, stores and Co-ops, and able to produce first-class references of character and ability. Reply in first instance, giving fullest particulars, if car owner, and method of remuneration preferred. Box 1/336, C. & D. Office.

MANUFACTURING Chemists, N.W. London, require the services of an energetic and experienced pill maker capable of taking control. Write giving details of age, experience and salary required. 1/349, C. & D. Office.

MAY & BAKER, LTD., Dagenham, Essex, invite applications for the position of head of department manufacturing ethical pharmaceutical preparations. Male candidates only, Ph.C. preferred. The post is one of responsibility, requiring administrative ability and initiative, and offers excellent prospects. Apply initially in writing quoting Ref. 450 to: Personnel Officer.

MESSRS. Parke, Davis & Co., require at their Hounslow laboratory the services of a pharmacist having a good knowledge of the practice of production of sterilised solutions in ampoules, etc.

NATIONAL Co-operative Chemists Limited wish to appoint an experienced stocktaker, capable of taking stock at the society's branch pharmacies. This work will entail regular travelling to various parts of England and Wales. Applications, giving full details of experience, salary, qualifications, etc., should be sent to the Secretary, National Co-operative Chemists, Ltd., 1 Balloon Street, Manchester, 4.

OLD-ESTABLISHED London firm wholesale chemists' sundriesmen require representatives having live connections chemists, hairdressers, druggists, stores, Co-ops; commission basis. Car advantage but not essential. Write, stating area of representation, details, etc., James Hardcastle & Co., 20 High Holborn, W.C.1.

PHARMACIST required for ampoule manufacturing in North London. Permanent progressive post. Give full details of experience to Box 1/351, C. & D. Office.

PHOTOGRAPHIC salesman, some experience preferred but not essential. Progressive position offered to chemist-trained applicant. Apply Wallace Heaton, Ph.C., 127, New Bond Street, W.1.

QUALIFIED pharmacist to take charge of pharmaceutical laboratory of manufacturing and wholesale chemists in Scotland. Good salary to suitable person. Write Box 776, c/o Whites, 72 Fleet Street, London.

REPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, stores and chemists for sound repeating household products. Only salesmen accustomed to large turnover need apply. Reply to Slip, 95 Victoria Street, St. Albans, Herts.

REPRESENTATIVE required by manufacturers of pharmaceuticals and fine chemicals. London district. Write giving details of age, experience and salary required, to Box 1/311, C. & D. Office.

REPRESENTATIVE required by manufacturing and wholesale chemists for parts of London, Metropolitan area of Essex and Bucks. Existing accounts handed over. Salary, commission and full expenses to the right man, preferably car owner, and under 40 years of age. Full details in confidence to Box 1/333, C. & D. Office.

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REPRESENTATIVES required, Great B Northern Ireland and Eire. Commission only, calling on chemists, departmental store quality products in perfumery and brush Write, with full particulars, to: P.F. Sales Co Edgware Road, W.2.

REPRESENTATIVES required by wholesale c ists' sundriesmen for Greater London Good stocks and large "quotas" of propri cosmetics, toilet, foods, patent medicines, and dries, interest chemists, drug stores, general, dressers, etc. No objection carrying other Prompt delivery and detailed attention off Apply Box 1/359, C. & D. Office.

REPRESENTATIVE under 45 years of required by wholesale manufacturing chem on salary and commission basis, for Lancas Cheshire, Shropshire and North Wales a Established connection. Well known propri lines. Chemists only. Gentleman with car suitable. Give full particulars and record application to Box 1/318, C. & D. Office.

REPRESENTATIVE required by manufactu and distributing company for the area of Y shire. Must have live connection among the p maceutical trade—retail and wholesale. Remun tion, salary, commission and expenses. W stating full details, age and experience. Box 1/ C. & D. Office.

REPRESENTATIVE with established connec wholesale and retail chemists in Gloucesters and south Wales required by progressive comp manufacturing toilet soaps and other lines. G salary and commission payable to suitable applica Apply in writing, giving full particulars, to 1 1/310, C. & D. Office.

TABLET maker. Experienced man requir London, N.W. district (5-day week). Kno ledge of granulating, use of single punch also rot machines. Permanency. Write, stating age, expe ence and salary required. 1/350, C. & D. Offi

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HERE is an interesting post awaiting a pharma- cist in the advertising department of Parke, vis & Co. No previous experience of publicity required but the man selected must be one willing be taught his job and preferably with a liking r literary and editorial work. He will be given opportunity to learn every form of medical and armaceutical propaganda and his progress will pend on his zeal and ability. Five-day week and easant offices. Apply to the advertisement Mana- r, 50 Beak Street, London, W.1, marking letter Personal."

HE British Drug Houses, Ltd., have vacancies in their analytical department for senior chem- s with B.Sc., Ph.C., or equivalent qualifications. xperience with pharmaceutical chemicals desirable t not essential. Apply Personnel Manager (A), raham Street, N.1.

WORKS chemist urgently required by a London firm of fine chemical manufacturers. The osition offers excellent possibilities to a good man. .Sc. and some experience of organic synthesis sential. Apply, giving fullest details of age, perience, qualifications and salary expected, to ox 1/329, C. & D. Office.

WHOLESALE (OVERSEAS)

BURMA.—Qualified Chemist required for large retail and manufacturing firm of chemists in angoon, Burma. Age not over 30, single man pre- erred. Salary between £400 and £500 p.a., accord- g to experience and qualifications, free of Burma come tax, with annual increments of £25 p.a., us free board and lodging and free passage both ays. The period of service to be for 3½ years, in- usive of 6 months' leave on completion of 3 years' ctive service in Burma.

Applicants should be of full British parentage and ould write by air mail, stating age, qualifications nd experience, to: Messrs. E. M. de Souza & Co., 55-69 Dalhousie Street, Rangoon, Burma. Copies f applications to be sent to: Messrs. Frank Ross & o. (London), Ltd., 4 Lloyd's Avenue, London, .C.3.

PHARMACEUTICAL Chemist for works of British-controlled company in S. India. Ex- erience in manufacture, standardisation, testing and acking of pharmaceutical products essential and ould be capable of working out original medicinal nd cosmetic preparations. Write, with full par- iculars of age, education, training and experience, to ox C 680, c/o Streets, 110 Old Broad Street, E.C.2.

PLANT chemists urgently required for process plant operations by large company operating in he Middle East. Applicants need not be graduates ut should have had a chemical training up to nter B.Sc. or National Certificate Standard with xperience of shift work in either a gas, coke oven r chemical works. Age not over 30. Salary in terling between £540 and £600 per annum plus enerous allowances in local currency, with free urnished bachelor accommodation, passages out nd home, medical attention, also kit allowance and rovident fund benefits. Apply stating age, quali- ications and experience, etc., to Dept. F.22, 62/461, C. & D. Office.

SITUATIONS WANTED

1/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

DISPENSER-SECRETARY (lady), Hall certificate; experienced; has few dates available for doctors, hospitals or baby clinics. Roynon, 112 Maryland Road, N.22. Phone Bowes Park 1320.

STOCKTAKING. Quiet and efficient workmanship. Over 30 years' practical experience. Personal supervision. Chemists' own sheets priced. C. W. Playfoot, 8 Aylward Road, Merton Park, S.W.20. Tel. Liberty 4104.

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COSMETIC chemist, all round expert in formulating and manufacturing high-class products, seeks responsible position with established firm. Box 1/320, C. & D. Office.

GENTLEMAN with wide experience covering buying, package, development, stores and stock control, desires progressive post. 1/275, C. & D.

M.P.S. requires situation (preferably as manager), convenient Acocks Green, Birmingham, in about 2 months' time. Minimum salary 10 gns. p.w. according to situation. Box 1/312, C. & D. Office.

PACKING, dispatch home and export stores. Staff control both sexes. Long experience. Ex. refs. 1/340, C. & D. Office.

PHARMACIST, ex-officer, with sense of responsibility and loyalty, possessing unique knowledge of market research, and exceptional experience in administration, having intimate psychological understanding of retail chemist-proprietors, seeks berth as executive in office management with drug and/or chemical house. Immediately available. Box 1/339, C. & D. Office.

PHARMACIST (32), experience alkaloid and oil analysis, general factory routine and chemical plant, desires change. London only. Sensible salary. Box 1/356, C. & D. Office.

REPRESENTATIVE with live connection N. and E. London, is able to carry one extra line on commission, or would consider sole representation. Full details in first letter, please. Box 1/338, C. & D. Office.

REPRESENTATIVE, 20 years' experience, would communicate with manufacturer marketing high grade products, with a view to whole time employment in London and district. Box 1/315, C. & D. Office.

WORKS chemist (non-graduate), seven years industrial experience, seeks post. Reply 1/290, C. & D. Office.

APPOINTMENTS

YORK COUNTY HOSPITAL

Applications are invited for the post of ASSISTANT PHARMACIST. Hospital experience desirable. Salary in accordance with J.N.C. scale. Applications, stating age and experience, with copies of recent testimonials, to be addressed to the Secretary.

THE CHEMIST AND DRUGGIST
EXPORT REVIEW

A vacancy occurs on the Editorial Staff of **The Chemist and Druggist** EXPORT REVIEW for a young male pharmacist interested in trade journalism. Some export experience and knowledge of languages desirable. Apply, stating full particulars of career and salary expected, to the Staff Manager, Morgan Bros. (Publishers), Ltd., 28 Essex Street, London, W.C.2.

CORPORATION OF WILLESDEN

APPOINTMENT OF PHARMACIST

The Council invite applications for the following appointment: ASSISTANT PHARMACIST. The salary will be in accordance with the Joint Negotiating Committee at the rate of £370 per annum, rising by four annual increments of £15 and one increment of £20 to a maximum of £450. The work will be carried out at the hospitals and health centres and previous experience will be taken into consideration in determining the commencing salary. The appointment is terminable by one month's notice on either side and is subject to the provisions of the Local Government Superannuation Act, 1937, to the regulations governing officers of the Council and to a satisfactory medical examination. Off duty is granted one Saturday morning in every three. The candidates appointed will work under the direction of the Chief Pharmacist. Forms of application may be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, N.W.6, to whom they must be returned marked "Pharmacist" not later than August 1, 1947.

R. S. FORSTER,
Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.

LONDON COUNTY COUNCIL

Locum tenens dispensers (Apothecaries' Hall Certificate preferred) required immediately for duty in L.C.C. hospitals. Continuous work for three to four months. All positions are non-resident. Rate of pay a week, £7 5 6 (men), £7 1 3 (women). Hours of duty 39 a week. Application forms obtainable from the Medical Officer of Health (S.D.3), The County Hall, Westminster Bridge, S.E.1. (1993).

ROMFORD JOINT HOSPITAL BOARD RUSH GREEN EMERGENCY HOSPITAL, ROMFORD

Applications are invited for the post of whole-time PHARMACIST, male or female, at the above Hospital. Salary at the rate of £420 per annum, rising by 5 annual increments of £15 to a maximum of £495 per annum. In the case of women applicants, resident accommodation, for which a charge will be made, can be provided.

The appointment is subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. Applications, stating name, age, nationality, qualifications and experience, together with copies of two testimonials, to be sent to the undersigned.

ERNEST E. TAYLOR,
Clerk of the Board.

Clerk's Office,
Rush Green Hospital,
Romford, Essex.
June, 1947.

QUEEN MARY'S HOSPITAL FOR THE EAST END,

STRATFORD, LONDON, E.15.

Applications are invited for the post of senior assistant pharmacist (male), salary according to J.N.C. scale (£415-£490 p.a.) with commencing salary within the scale according to experience. F.S.S. in force. Applications with full particulars and copies of testimonials to reach the House Governor and Secretary by July 23, 1947.

MIDDLESEX COUNTY COUNCI

ASSISTANT PHARMACIST for CH FARM HOSPITAL, Enfield, Middl (registered essential). J.N.C. (hospital st salary £370 inclusive. Annual increments u £450 p.a. considered. Similar experience determine commencing salary. Recently qu fied pharmacists eligible. Non-resident, es lished staff, subject to medical examinat Application stating age, qualifications, exp ence, with copies of up to three re testimonials to Medical Director at H pital, immediately. No forms. Closing d July 24, 1947 (Quoting C188 CD).

C. W. RADCLIFFE,
Clerk of the County Cou

Middlesex Guildhall,
S.W.1.

ROMFORD JOINT HOSPITAL BOAR RUSH GREEN EMERGENCY HOSPITAL, ROMFORD.

APPOINTMENT OF PHARMACIST

Applications are invited for the post of whole-time PHARMACIST, male or female, the above hospital. Salary at the rate of £ per annum, rising by five annual increments £15 to a maximum of £495 per annum. the case of women applicants, resident acco modation, for which a charge will be made, c be provided. The appointment is subject one month's notice on either side and to t provisions of the Local Government Supera nuation Act, 1937. Applications stating nan age, nationality, qualifications and experien together with copies of two testimonials, to sent to the undersigned.

ERNEST E. TAYLOR,
Clerk of the Boa

Clerk's Office, Rush Green Hospital,
Romford.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required Epsom County Hospital, Dorking Roa Epsom. Commencing salary on grade £3 x £15—£430 x £20—£450 p.a. inclusiv Applications in writing stating age, qualific tions and experience with copies of not mo than three recent testimonials should be se to the Medical Superintendent of the Hospit

AGENCIES

12/6 for 36 words or less, 3d. for every additional w

AGENCY wanted on commission only Lincolnshire and adjoining counties. Bulk fine chemicals preferred or first-class medic lozenges. Many years connection with chemists druggists. Box 1/314, C. & D. Office.

AGENT required for Lancashire area to ha medicinal line. Must have good connec with retail and wholesale chemists. Good c misson for live applicant. Car owner prefer Send full particulars to 1/270, C. & D. Office.

AGENTS wanted for fancy goods, calling chemists, stationers, drapers, etc., on com sion basis. State ground covered and referen Box 1/321, C. & D. Office.

EXPORT. Managing director, member of S Managers' and Advertising Managers' Asso tions, with extensive marketing knowledge and perience, desires to contact first-class manufactu wishing to enter Canadian Market. Advertiser British and is taking up residence in Canada organise selling agency specialising in British goo Only high-class merchandise will be entertain Box 1/301, C. & D. Office.

STABLISHED agents, with high-class connec- tions with chemists and stores, required in all icts for the sale of high-quality medicated nge and tablets, Wilson's Hair Colour Restorer Nu-Feet Salts. Applications, giving full details ground covered and houses represented, to be ressed to "Agency," P.O. Box 31, Nottingham.

STABLISHED firm of agents with strong con- nection wholesale and retail chemists through- northern Ireland, open to consider sole repre- ation for house of repute offering one or two y sound products backed by good advertising. lines preferred, others also considered. Terms s, expenses and commission. Box 1/307, D. Office.

PORTER desires to represent English manu- facturing chemist house for packed pharmaceu- l products, surgical goods, chemists' sundries, , exclusively for British East Africa. Large rly turnover guaranteed. Preference will be n to attractively packed products and those who e experience of export trade should apply. Quote . 759621., 1/131, C. & D. Office.

ALESTINE well-established wholesale drug store, with good connections among wholesalers retailers (owned by 30 leading chemists in estine and Transjordan), seeks agencies of tish and American manufacturers of pharmaceu- ls, chemicals, surgical instruments, cosmetics and fumes. Address replies to the Associated emists, Limited, P.O.B.196, Jerusalem.

HARMACEUTICAL works in India, of 20 years' standing, manufacturing herbal products scientific lines, are appointing agents and dis- utors in other countries. Products patronised by r 30,000 doctors and hospitals. Parties having erience in the line and good sales organisation ase apply Box 1/306, C. & D. Office.

EPRESENTATIVES required calling on retail chemists to sell on commission only. Cough tilles, C.F. Good quotas. Area 3, Hertford, ntingdon, Bedford, Northampton, Berks, Oxford l Cambridge. Area 5, Derby, Leicester, Stafford, rwick. Box 1/319, C. & D. Office.

EPRESENTATIVES required, commission basis only, calling on chemists and departmental res for well established quality product in the fol- ving areas: Scotland, Northern Counties, Mid- ds, East Anglia, Home Counties, West Country, uth Wales. Write with full particulars 1/210, & D. Office.

OAP. Manufacturers' agents with established connection in the North of Scotland wish to ntact quality toilet soap manufacturers with view representation in all counties North of Tay vering the entire retail Pharmaceutical trade only. x 1/298, C. & D. Office.

RAVELLER with car wanted for Lancashire and Yorkshire for world-renowned advertised laxa- ve. Good extra commission line for the right man. ll details of area and lines carried to White boratories, Ltd., 4 The Park, Mitcham, Surrey.

PARTNERSHIPS

WELL established Irish manufacturing company, marketing greyhound veterinary products, re- uire working partner for expansion with £2,000 pital to organise sales end. 1/217, C. & D. Office.

BUSINESS OPPORTUNITIES

6 for 36 words or less, 3d. for every additional word

MANUFACTURERS of men's toilet preparations and chemists' sundries are invited to submit fers of their lines to B. Young & Co., 1 London oad, Nottingham. Representatives carrying above oducts are also invited to call upon us when in e district.

LOANS up to £200, repayable over a period of five years, and subject to certain qualifying conditions, are available (to ex-service men commencing business in London and the Counties of Middlesex, Essex, Kent, Surrey, Hertford, Buckingham and Sussex) at 2 per cent. per annum, *on provision of approved sureties.* Particulars from the Clerk of Wilson's Loan Trust, Guildhall House, Gresham Street, London, E.C.2.

RETAILERS, chemists, drug stores, general stores, hairdressers, etc. Well-established wholesalers, with increasing "quotas" can offer good supplies of leading proprietary cosmetics and toilets. Good range of patent medicines, dressings, packed goods and sundries. Van service London and suburbs, prompt delivery everywhere. Business built on personal attention. Box 1/360, C. & D. Office.

TOILETS quota (large or small) will be purchased by advertiser. Please state amount for sale and price for outright purchase. 176/942, C. & D. Office.

WELL-KNOWN manufacturers of nationally distributed products have facilities for manufacture and distribution of further pharmaceutical lines. Particulars in confidence to Box P.243, Erwoods, Ltd., 211 Piccadilly, London, W.1.

WELL-KNOWN distributors of pharmaceutical and non-quota chemists' sundries are open to take on a few extra products of a suitable character. Manufacturers requiring the services of an active and well established marketing organisation able to give national distribution to wholesalers, chemists, stores, etc., throughout Great Britain and Eire, should write, in confidence, to Director, Box 1/316, C. & D. Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word

ABERDEEN. Established pharmacy for sale. Working class district lock up shop. Kodak and Selo agencies. Also N.H.I. Further particulars to Box 1/313, C. & D. Office.

BIRMINGHAM suburb. Beautifully fitted modern spacious double-fronted high class pharmacy. Main road, established 14 years. Turnover exceeds £3,000. Rent £70. Self contained flat above available soon at extra rent on 21 years' lease. Valuation terms, about £4,000. Immediate cash required. 219 Haunch Lane, Birmingham 14.

DRUG store with sub-post office attached, Sussex. Present gross income £500 p.a. Modernised living accommodation, garage and store. Ideal proposition for pharmacist to convert. Details, Box 1/355, C. & D. Office.

EDINBURGH. Established business for sale with immediate entry. Good main road position in shopping centre. Back-shop accommodation with sink, still, lavatory and ample storage space. Low rent, £30. Turn-over £2,700. Net profit £575, certified accounts. Property and fittings, offers over £2,000. Stock at valuation. Harcus, 117 Piersfield Terrace.

HERBALIST and hygienic rubber stores, main street position. No opposition. Opportunity to add chemists and photography. Rent only £100 a year exclusive. Shop, kitchen, study, sitting-room, bathroom, 4 bedrooms, brickbuilt warehouse at rear, side entrance. Electric and gas, Phone, etc. 21 years' lease. Guaranteed more than a living. Price for goodwill, fixtures, fittings, stock cases, and long lease, vacant possession when required, £1,900 or near offer. Phone Bedford 5430.

MANUFACTURING chemists and wholesalers' business with cosmetics quota and well introduced trade mark. If required together with freehold and vacant possession of seven newly decorated and well furnished rooms, etc. C.H. and C.W. near West End. Owner going abroad. 1/202, C. & D. Office.

SMALL manufacturing chemist's business with excellent prospects for sale at very reasonable price of £2,500 for prompt sale due to illness. Well stocked with excellent lines, and good staff. Easily managed. Technical knowledge not necessary. Unusual opportunity for one or two desiring own business with great prospects. Box 1/302, C. & D. Office.

PREMISES WANTED

MANUFACTURING Chemists, small limited company of highest standing and with ample funds, require about 6,000 square feet factory space within easy reach of London. They would welcome collaboration with similar concern with view to sharing accommodation on mutually advantageous terms. Write, Maxwell Batley & Co., Solicitors, 65 London Wall, London, E.C.2.

WANTED

7/6 for 40 words or less, 2d. for every additional word

A BIG price offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond Street, London, W.1.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.15.

BOTTLES, 10 oz., 14 oz., 16 oz., 18 oz., 20 oz., "Winchesters" urgently required. State price and quantities for quick delivery to Box C 689, c/o Streets, 110 Old Broad Street, E.C.2.

BRONCHIAL and catarrh pastilles preferably to advertiser's own formulas. Mainly required for export. Will contract for 30-40 tons or less per annum. First-class products from established house only considered. Box 1/337, C. & D. Office.

CHLORATE of soda required, small or large quantities. Nicoll, Bridgnorth Pharmacy, Shropshire.

GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

MANUFACTURER'S agent calling on wholesalers requires for direct delivery large quantities elastic hair nets, good prices obtained; also toilet rolls. 1/358, C. & D. Office.

SACCHARIN tablets—Regular supplies required by private pharmacy. Banker's reference available. 1/256, C. & D. Office.

STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

WANTED, glycerine; also extract yerba santa liquid. Offers to 1/211, C. & D. Office.

WHITE and yellow petroleum jelly, white odourless oil, lactose B.P., phenacetin B.P., aspirin grans B.P., urgently wanted. Box 1/332, C. & D. Office.

26-OZ. and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

FITTINGS. Complete chemist's shop. Mahogany fittings, counter 8 ft., showcases 3 ft. and 4 ft. wide. Wall case 9 ft. long. Shelving. Chests of drawers 9 ft. and 7 ft. long. Various mirrors. Viewed by arrangement Kensington. Phone Roos, Museum 6060 or write 29 Percy Street, London, W.1.

FOR sale. Air cleaning plant, unused, 2 ma capacity 24,000 c.ft. hourly with filte conduits. Enquiries: Affined Basic Che Ltd., Empire Works, Desborough Road, Wycombe, Bucks. Tel.: High Wycombe 226

FOR SALE. Pascall H.S. triple roll mi volts A.C. 50 cycles S.P.; dispensing b 21 gross 2-oz. aluminium tins at 22/- gross The Broadway, Cullercoats, Northumberland.

FOR SALE: 7 aldehyde C 16; 25 lb. valerianate, 28 lb. citronellol. Please w Box 860, c/o George Murray (Advertising), 184 Strand, London, W.C.2.

GLASS Vials. 50,000 available, 13/14 mil, long, 2/- gross. Affined Basic Chemicals, Empire Works, Desborough Road, High Wyc

HAND-OPERATED tableting machine for lozenge or bath crystal cubes. £5. wanted, converting to power. Croxen, 73 A Street, Preston.

SURPLUS Stocks: 4 cwts. bornylacetate, 2 bromstyrol, 56 lbs. cinnamylvalerianate. write to Box 861, c/o George Murray (Advert Ltd., 184 Strand, London, W.C.2.

STEARIC acid available. Enquiries invited. 1/327, C. & D. Office.

STOCK of small manufacturing chemist fo business closing, must clear premises; any considered. Essential oils, chemicals, colours, et gross tooth paste tubes, hand closing machine— and measures. Invoice value £60. Ingleby, W zoyland, Bridgwater, Somerset.

SURPLUS. 250 gross metal caps to fit 2 oz. Accept 2/6 gross to clear. 1,000 cartons N and larger—suitable for bottles. Accept first re able offer. The General Chemical Co., 188 Col Street, Hull.

1 TON commercial anhydrous lanoline for Samples and price Box 1/345, C. & D. Off

3 TONS sulphonated fatty alcohol powder (1 substitute) in 2 cwt. wooden kegs, suitabl shampoo powder, etc. Further particulars 1/346, C. & D. Office.

65,000 SMALL tins, 1 in. square, ⅜ in. 10/- per 1,000 delivered. Wa triangular bandages. Porter & Partner, Ltd Hereford Road, Woodthorpe, Nottingham.

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